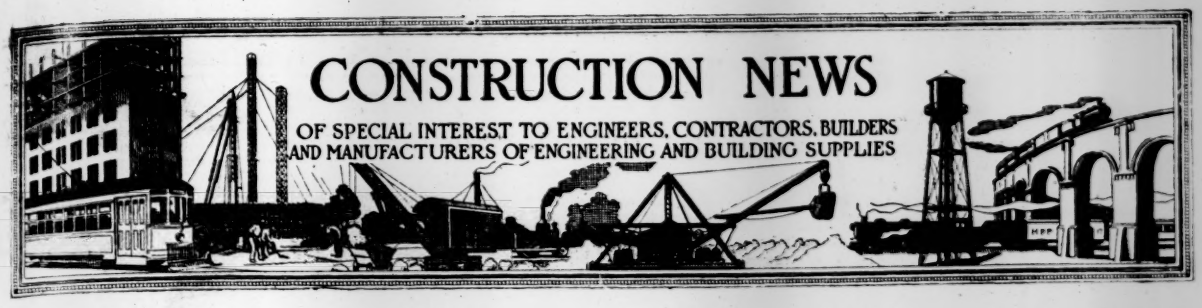
CONSTRUCTION NEWS
OF SPECIAL INTEREST TO ENGINEERS, CONTRACTORS, BUILDERS
AND MANUFACTURERS OF ENGINEERING AND BUILDING SUPPLIES

PROPOSALS

"For Proposals Advertised see the pages immediately following the Construction News Section."

WATERWORKS

Bids Close		See Eng. News-Record
Sept. 22	Chadron, Neb.	Sept. 11
Sept. 22	Judith Gap, Mont.	Sept. 18
Sept. 24	Marcy, N. Y. Adv. Sept. 11.	Sept. 11
Sept. 25	Hamtramck, Mich.	Sept. 18
Sept. 29	Flagley, Colo.	Sept. 18
Sept. 30	Detroit, Mich.	Sept. 11
Oct. 2	East Hartford, Conn. Adv. Sept. 11.	Sept. 11

SEWERS

Sept. 22	Wilbur, Neb.	Sept. 11
Sept. 22	Judith Gap, Mont.	Sept. 18
Sept. 22	London, Ont.	Sept. 18
Sept. 23	Broken Bow, Neb.	Sept. 11
Sept. 24	Elkhorn, Wis.	Sept. 18
Sept. 24	Phillipsburg, N. J. Adv. Sept. 18.	Sept. 18
Sept. 26	Viroqua, Wis.	Sept. 18
Oct. 1	Baldiwn, Pa.	Sept. 18

BRIDGES

Sept. 22	Norristown, Pa. Adv. Aug. 28.	Aug. 28
Sept. 22	Duluth, Minn.	Sept. 11
Sept. 23	Harrisburg, Pa. Adv Aug. 14.	Aug. 14
Sept. 23	Harrisburg, Pa.	Sept. 11
Sept. 24	Lexington N. C.	Sept. 11
Sept. 24	Fredericton, N. B.	Sept. 18
Sept. 24	Ebensburg, Pa.	Sept. 18
Sept. 26	Kenosha, Wis. Adv. Sept. 18.	Sept. 18
Sept. 29	Birmingham, Ala.	Sept. 18
Sept. 29	Iola, Kan.	Sept. 18
Sept. 29	New Jersey Adv. Sept. 11.	Sept. 11

STREETS AND ROADS

Sept. 22	Chicago, Ill.	Sept. 18
Sept. 22	Lyons, Kan.	Aug. 28
Sept. 22	New York, N. Y.	Sept. 18
Sept. 22	California	Sept. 18
Sept. 23	Keyser, W. Va. Adv. Sept. 4.	Sept. 4
Sept. 23	Peru, Neb.	Sept. 11
Sept. 23	Beaver City, Neb.	Sept. 11
Sept. 23	Keyser, W. Va.	Sept. 11
Sept. 23	Athens, Ga. Adv. Sept. 11.	Sept. 11
Sept. 23	Philadelphia, Pa.	Sept. 11
Sept. 23	Salisbury, Md.	Sept. 11
Sept. 23	Massachusetts	Sept. 18
Sept. 23	Ralston, Neb.	Sept. 18
Sept. 24	Lexington, Neb.	Sept. 11
Sept. 24	Elwood, Neb.	Sept. 11
Sept. 24	Ebensburg, Pa.	Sept. 18
Sept. 24	Manitowoc, Wis.	Sept. 11
Sept. 24	Brooklyn, N. Y.	Sept. 18
Sept. 24	Marcy, N. Y.	Sept. 18
Sept. 25	Kimbal, Neb.	Sept. 11
Sept. 25	North Bergen, N. J.	Sept. 11
Sept. 25	St. George, S. I., N. Y.	Sept. 18
Sept. 25	Mt. Clemens, Mich.	Sept. 18
Sept. 25	Duluth, Minn.	Sept. 18
Sept. 25	Louisiana	Sept. 18
Sept. 25	Concord, N. C.	Sept. 18
Sept. 26	North Carolina	Sept. 18
Sept. 26	Loup City, Neb.	Sept. 11
Sept. 27	Aitkin, Minn.	Sept. 11
Sept. 30	Pennsylvania Adv. Sept. 11.	Sept. 11
Sept. 30	Blackfoot, Idaho	Sept. 11
Sept. 30	Montgomery, Ala. Adv. Sept. 18.	Sept. 18
Oct. 1	Faribault, Minn.	Sept. 4
Oct. 2	Madison, W. Va.	Sept. 11
Oct. 2	Trenton, Ga.	Sept. 18
Oct. 6	Ridgeway, Mo.	Sept. 18
Oct. 6	Ft. Scott, Kan.	Sept. 18
Oct. 6	Fayetteville, W. Va. Adv. Sept. 18.	Sept. 18
Oct. 7	Montevideo Minn.	Sept. 18
Oct. 7	Billings, Mont.	Sept. 18
Oct. 10	Tacoma, Wash. Adv. Aug. 14.	Aug. 14
Oct. 11	Brainerd, Minn.	Sept. 18
Oct. 13	Lancaster, Mo.	Sept. 11

EXCAVATION AND DREDGING

Sept. 21	Sheboygan, Wis.	Sept. 18
Sept. 22	Tower Minn.	Aug. 21
Sept. 22	New York, N. Y.	Sept. 11
Sept. 22	Duluth, Minn.	Sept 4
Sept. 23	Marianna Ark	Sept 18
Sept. 23	St. John, N. B.	Sept 18
Sept. 26	Colusa, Cal.	Sept. 18
Sept. 29	Waseca, Minn.	Sept. 11
Oct. 4	Greenfield, Ind.	Sept. 18
Oct. 7	Olivia, Minn.	Sept. 18

INDUSTRIAL WORKS

Sept. 20	New York, N. Y.	Sept. 11
Sept. 24	Melville Sask.	Sept. 18
Sept. 27	Cap de la Madeleine, Que.	Sept. 18
Sept. 27	Edgarton, Wis.	Sept. 18
Oct. 7	Marcy, N. Y. Adv. Sept. 18.	Sept. 18

BUILDINGS

Sept. 22	Holton, Kan.	Sept. 4
Sept. 22	San Francisco, Cal.	Sept. 11
Sept. 22	Eldorado, Kan.	Sept. 11
Sept. 22	Toronto, Ont.	Sept. 11
Sept. 22	New York, N. Y.	Sept. 18
Sept. 22	Bridgeport, Conn.	Sept. 18
Sept. 22	Balaton, Minn.	Sept. 18
Sept. 22	Willimantic, Conn.	Sept. 18
Sept. 22	Hartford, Wis.	Sept. 18
Sept. 23	Bessemer, Ala.	Sept. 18
Sept. 24	Selkirk, Man.	Sept. 11
Sept. 25	Brooklyn, N. Y.	Sept. 11
Sept. 25	Moncton, N. B.	Sept. 4
Sept. 25	Charlevoix, Mich.	Sept. 18
Sept. 25	Redding, Conn.	Sept. 18
Sept. 26	Worcester, Mass.	Sept. 18
Sept. 27	Clintonville, Wis.	Sept. 18
Sept. 29	Ankeny, Ia.	Sept. 18
Sept. 30	Salt Lake City, Utah	Sept. 11
Sept. 30	Biwabik, Minn.	Sept. 11
Oct. 1	St. Paul, Minn.	Aug. 28
Oct. 1	Virginia, Minn.	Aug. 28
Oct. 1	Wichita, Kan.	Sept. 11
Oct. 1	Fulton, Mo.	Sept. 11
Oct. 1	Mt. Pleasant, Ia.	Sept. 11
Oct. 3	Brevard, N. C.	Sept. 18
Oct. 10	Cherokee, Okla.	Sept. 18
Oct. 17	Ashley, N. D.	Sept. 18
Nov. 23	Winner, S. D.	Sept. 11

FEDERAL GOVERNMENT WORK

Sept. 22	Material — Charles Town. W. Va.	Aug. 21
Sept. 22	Post Office — Charleston, W. Va.	Aug. 21
Sept. 22	Storehouse — Watertown, Mass.	Sept. 11
Sept. 22	Rip Rap—Baltimore, Md.	Sept. 18
Sept. 23	Heating System—Tacoma Park, Washington, D. C.	Sept. 11
Sept. 24	Building — Spec. 4009 — Puget Sound, Wash.	Sept. 11
Sept. 24	Boat House—Reedy Island, Del. Adv. Sept. 11.	Sept. 11
Sept. 24	Laundry — Spec. 4006 — Annapolis Md.	Sept. 11
Sept. 24	Mechanical Stokers—Spec. 4010—Charleston, S. C.	Aug. 28
Sept. 24	Reciprocating Air Compressor — Spec. 3837 — Puget Sound, Wash.	Aug. 28
Sept. 25	Dredging — New London, Conn.	Sept. 18
Sept. 26	Post Office and Custom House—Providence, R. I. Adv. Aug. 21.	Aug. 21
Sept. 29	Dredge, etc.—Wilmington, N. C. Adv. Aug. 28.	Aug. 28
Sept. 29	Dredging—Baltimore, Md. Adv. Sept. 11.	Sept. 11
Sept. 30	Remodeling Hospital—Boston, Mass.	Aug. 28
Sept. 30	Dock—Charleston, S. C.	Sept. 4
Sept. 30	Hospital — Spec. 3931 — Pearl Harbor, Hawaii	Sept. 4
Sept. 30	Rubble Mound Breakwater Cleveland, O.	Sept. 4
Sept. 30	Sprinkler System—Philadelphia, Pa. Adv. Sept. 18.	Sept. 18
Oct. 1	Valves, Gates, etc.—Denver, Colo. Adv. Aug. 21.	Aug. 21
Oct. 1	Electric Lighting and Power Systems—Spec. 3982—Mare Island, Cal.	Aug. 28
Oct. 1	Electric Lighting, Water Supply and Fire Protection System — Spec. 3977A — Charleston, S. C.	Sept. 18
Oct. 1	Dredging — Spec. 4031 — Hingham Mass.	Sept. 18
Oct. 2	Equipment—Denver, Colo.	Sept. 11
Oct. 3	Post Office—Midland, Mich.	Sept. 11
Oct. 3	Lock and Dam — Pittsburgh, Pa. Adv. Sept. 11.	Sept. 11
Oct. 4	Dredging — Wilmington, Del. Adv. Sept. 11.	Sept. 11
Oct. 6	Post Office—St. Johnsburg, Vt.	Aug. 28
Oct. 6	Levee Work — St. Louis, Mo. Adv. Sept. 11.	Sept. 11
Oct. 6	Dredging — New York, N. Y. Adv. Sept. 18.	Sept. 18
Oct. 6	Building—Marianna, Ark.	Sept. 11
Oct. 8	Dredging—Detroit, Mich. Adv. Sept. 11, 18.	Sept. 11
Oct. 10	Dredge—New York, N. Y. Adv. Aug. 28.	Aug. 28
Oct. 10	Post Office—Lock Haven, Pa.	Sept. 4
Oct. 14	Post Office—Pratt, Kan.	Sept. 11
Oct. 15	Derricks—Florence, Ala. Adv. Sept. 18.	Sept. 18
Oct. 15	Repairing Dyke—Philadelphia, Pa. Adv. Sept. 18.	Sept. 18
Oct. 15	Quarters and Mess Hall—Bismarck, N. D.	Sept. 18
Oct. 22	Power Plant Improvements —Spec. 3956—Pearl Harbor, Hawaii	Sept. 11
Nov. 3	Post Office and Court House —Honolulu, H. T.	Aug. 21

MISCELLANEOUS

Sept. 22	Wharf—Naramata, B. C.	Aug. 28
Sept. 22	Flood Gates—Pine Bluff, Ark.	Sept. 11
Sept. 23	Land and River Borings—New York, N. Y.	Sept 11
Sept. 23	Turbines, etc.—Saskatoon, Sask. Adv. July 24	July 24
Sept. 25	Garbage Incinerator — Monessen, Pa.	Sept. 18
Sept. 29	Lock, Dam, etc.—Bobcaygen, Ont.	Sept. 18
Oct. 2	Wharf — St. Laurent de Orlean, Que.	Sept 18
Oct. 2	Wharf—Quebec	Sept. 18
Oct. 6	Pumping Equipment—Los Angeles, Cal.	Sept. 18

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

Conn., Groton—Bilderbeck & Langdon, engrs., 253 State St., New London, receive bids about Oct. 1, extending water system for Boro. Work involves 12,000 ft. 12 in. and 1000 ft. 6 in. c.i. pipe. About $50,000. E. R. Gorman, supt. Noted July 24.

Waterworks (Continued)

N. C., Greensboro—City plans to build addition to waterworks plant. About $50,000. W. B. Bandy, Greensboro, engr.

Fla., St. Augustine—See "Sewers."

Mich., Caro—Caro Water Co. plans to build pumping plant and rein.-con. storage reservoir. About $25,000. Private plans.

Mich., Marysville—Wills-Lee Co. plans to lay pipe line from here to Port Huron city limits to connect with Port Huron water mains, one line to connect at 24th and Moak Sts., Port Huron, and other at Military and Ravenswood Sts., Port Huron, to supply water for construction purposes at plant here. Work involves 25,000 ft. 10-12 in. c.i. pipe. W. H. Watkins, Marysville, engr.

Mich., Port Huron—City having plans prepared for rein.-con. intake well with gate valves to provide for pure water supply, while intake pipe is being repaired or cleaned. About $10,000. E. R. Whitmore, city engr.

Kan., Girard—City plans to improve waterworks system. About $44,000. W. B. Rollins & Co., 209 Ry. Exch. Bldg., Kansas City, Mo., engrs.

Neb., Lincoln—T. H. Berg, city clk., soon lets contract laying water mains and fire hydrants in Fire Dist. No. 2, involving 18,660 ft. 4 8-in. c.i. piping, 6300 cu.yd. earth excav. and 22 hydrants. About $30,000. G. W. Bates, city engr.

Mont., Musselshell—City plans to install complete waterworks system. About $28,000. R. Bushnell, Roundup, engr.

Mo., Kirksville—City plans to improve waterworks system. About $30,000. W. B. Rollins & Co., Ry Exch. Bldg., Kansas City, engrs.

Okla., Altus—City voted $45,000 bonds to extend waterworks. Johnson & Benham, Kansas City, Mo., engrs.

Okla., Enid—City soon lets contract building waterworks, involving 100,090 ft. 6-14 in. c.i. pipe, 40,560 lb. standard castings, 77 ft. 4-14 in. valves and valve boxes and six 6 in. fire hydrants. Black & Veatch, Interstate Bldg., Kansas City, Mo., engrs.

Okla., Minco—City voted $20,000 bonds to replace steam engine with oil engine, deepen wells and build extensions to watermains. Engineer not selected.

Cal., Brawley—City plans election to vote on $125,000 bonds to extend and improve waterworks system. G. R. Wade, city engr.

Cal., Fillmore—City Trustees plan election to vote on $20,000 bonds to build additional pumping plant and extend distributing system.

BIDS DESIRED.

Mich., Hamtramck—Until Sept. 25, by J. C. Schultheiss, village clk., furnishing materials and labor laying water mains and appurtenances in Yemens, Evaline, Christopher and McDougal Aves., involving 2805 ft. 6-8 in. pipe, 4 fire hydrants, gates, etc. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Mont., Judith Gap—Until Sept. 22, by Town Council, building 6 in. water mains in Impvt. Dist. No. 7. About $15,000. Gerharz-Jacqueth Co., 514 1st Natl. Bank Bldg., Great Falls, engrs. Noted Aug. 7.

Colo., Flagler—Until Sept. 29, by Town Council, building waterworks system, involving 16,950 ft. 4-10 in. c.i. pipe, 28 fire hydrants, 5 tons specials, twenty-two 4-10 in gate valves and boxes, etc. About $60,000. R. S. Salisbury, 1415 East Colfax Ave., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mich., Detroit**—City let contract to U. S. Cast Iron Water Pipe Co., 122 South Michigan Blvd., Chicago, for 1500 tons Class "B," 6 and 8 in. pipe at $55.50 per ton; Amer. Cast Iron Pipe Co., 512 1st Natl. Bank Bldg., Chicago, 1500 tons Class "B," 6 and 8 in. pipe, $0.96 per lin.ft. for 6 in. pipe in 18 ft. lengths and $1.36 per lin.ft. for 8 in. pipe in 18 ft. lengths; Flower Mfg. Co., Clayton and Parkinson Ave., five 30 in. gate valves at $1350 each, total, $6750.

★**Mich., Ecorse**—City let contract to T. C. Brooks & Son, West Grand Blvd., Detroit, furnishing and installing 8000 ft. water mains with hydrants, valves and 2 motor driven centrifugal pumps, 500 gal. capacity per minute, etc., $24,000; Pitt Constr. Co., Wyandotte, 500,000 gal. rein.-con. reservoir, $19,000; Pittsburgh-Des Moines Steel Co., 801 Curry Bldg., Pittsburgh, elevated steel tank with 150,000 gal. capacity. Noted Aug. 21.

★**Kan., Lawrence**—Haskell Institute let contract building 40,000 gal. steel tank and tower, to Pittsburg-Des Moines Steel Co., Des Moines, Ia., $7485.

★**Mo., Marysville**—City let contract building 2 reservoirs, rein.-con. coagulatory plant, rein.-con. storage plant, two 600 g. p. m. motor driven pumps, and one 7000 g. p. m. low service pump, to Randall Constr. Co., Kansas City, $35,500. Noted Aug. 21.

★**Mo., Weston**—City let contract extending pipe line and building well and concrete reservoir, to C. P. Breen, Parkville, $13,400. Noted Aug. 14.

★**Okla., Altus**—City let contract improving waterworks system, to Maney Brothers, 304 Empire Bldg., Oklahoma. About $62,500. Noted Aug. 28.

★**Wash., Seattle**—Bd. Pub. Wks. let contract laying 2636 ft. 8 in. and 256 ft. 12 in. c.i. water mains in 12th Ave. N. E., et al, to G. Alfonzo, 6th N. W. and West 88th Sts., $12,483. Noted Aug. 21.

Sewers

PROPOSED WORK

W. Va., Parkersburg—City plans to build 8-in. sanitary sewers in Oak St. from 15th to 19th Sts. and Beaver St. from alley south of 18th to 19th Sts., etc. Bonds for $300,000 voted for project. L. G. Merril, city engr.

N. C., Greensboro—City plans to build sewer extension. About $25,000. W. B. Bandy, Greensboro, engr.

Fla., Clearwater—City voted $15,000 bonds to build sanitary and storm sewers in various streets.

Fla., St. Augustine—City plans election soon to vote on $500,000 bonds to install sewerage system, extend water service, build auditorium and pave streets.

Mich., Mt. Clemens—J. H. Mathews, city clk., soon lets contract laying 24 in. vitr. crock rein.-con. sewer with 6 in. concrete shell on outside in Crocker Ave. About $25,000.

Ill., Nokomis—City soon lets contract building sanitary sewerage system to include 20,000 ft. 8-12 in. pipe. Imhoff tank and sludge bed, also 10,000 ft. 8-10 in. pipe, ejector and compressor station. About $43,000 and $25,000 respectively. J. J. Woltmann, city engr.

Mont., Billings—City election Sept. 30, to vote on $400,000 bonds to build storm sewers in various streets. E. M. Sneckenberger, city engr.

Wash., Spokane—City having preliminary plans prepared building 5.5 mi. laterals and sectional sewers in Sewer Dist. No. 13. About $100,000. A. D. Butler, city engr.

Okla., Garber—City Council soon lets contract building lateral sewers in various streets, involving 28,864 ft. 8-10-in. vitr. clay pipe, 500 cu.yd. excav., 120 cu.yd. concrete, 59 manholes and 187 flush tanks. Black & Veatch, Interstate Bldg., Kansas City, Mo., engrs.

Okla., Nowata—See "Streets and Roads."

Ont., Orillia—City having plans prepared by James, Loudon & Hertzberg, engrs., 36 Toronto St., Toronto, laying 3200 ft. 15-28-in. vitr. sewer in Neywash St. About $11,800.

BIDS DESIRED

N. J., Phillipsburg—Until Sept. 24, by town, building sewage disposal plant. C. E. Tilton, town engr.; advertised in this issue.

Pa., Baldwin—Until Oct. 1, by Bd. Comrs. Baldwin Twp., building 2 mi. sanitary sewers in drainage area No. 1, Fairhaven. T. J. McGovern, twp. engr.

Wis., Elkhorn—Until Sept. 24, by A. C. Olson, city engr., excavating and laying 9610 ft. 8 in. sewers, 1240 ft. 4 in. c.i. pipe, 19 manholes and 4 flush tanks in Main St. About $30,000.

Wis., Viroqua—Until Sept. 26, by E. J. Older, city clk., furnishing and laying 1362 ft. 10 in. and 1209 ft. 8 in. vitr. pipe sewers, 1863 ft. 6 in. sewer connections, 8 manholes, etc., also laying 1300 ft. 8 in., 48 ft. 6 in. and 1800 ft. 4 in. water pipe, etc.

Minn., Breckenridge—City receiving bids building sewers in various streets, involving 5728 ft. 8-36 in. sanitary sewers and 10,594 ft. 8-24 in. storm sewers, 42 manholes and 2 flush tanks. About $26,000. R. R. Waite, clk.

Neb., Scribner—Until Oct. 3, by City Clerk, laying 5 mi. 8-12 in. vitr. clay pipe sewers in various streets. About $42,000. J. A. Bruce, 204 Bee Bldg., Omaha, engr.

Mont., Billings—Until Oct. 7, by city, building 32,000 ft. 8 in. sanitary sewers in various streets. E. M. Sneckenberger, city engr.

Mont., Judith Gap—Until Sept. 22, by Town Council, building 1 mi. 6 in. pipe sewer and sewage disposal plant. About $20,000. Gerharz-Jacqueth Co., 514-1st Natl. Bank Bldg., Great Falls, engrs. Noted Aug. 7.

Ont., London—Until Sept. 22, by S. Baker, city clk., laying 11,300 ft. 8-15 in. vitr. sewers. About $30,000. H. A. Frazier, City Hall, engr. Noted Sept. 4.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Dedham**—Metropolitan Water & Sewer Bd., Boston, let contract laying 1550 ft. 33 x 36 ft. rein.-con. sewer pipe, Wellesley Extension, to J. C. Cavanagh, 25 Medway St., Dorchester, $47,675. Work involves 2500 cu. yd. earth and 400 cu. yd. rock trenching, 20 cu. yd. brick and 900 cu. yd. concrete.

★**Mass., Longmeadow** (Springfield P. O.)—City let contract laying 36,788 ft. 8-18 in. vitr. tile drain sewers and 12,773 sq. yd. macadam in various streets, to Yacovone & Tozzoli, 52 Market St., Hartford, Conn.

★**Mass., Needham**—Metropolitan Water & Sewer Bd., Boston, let contract laying 3840 ft. 27 x 30 ft. concrete and 33 x 36 ft. rein.-con. sewer, in Wellesley Extension, to Rendle Stoddard Co., Chelsea, $72,046. Work involves 4000 cu. yd. earth and 500 cu. yd. rock trenching and 2250 cu. yd. concrete.

★**Mass., Stoneham** (Boston P. O.)—Metropolitan Water & Sewer Bd., Boston, let contract laying 3650 ft. 15-20 in. vitr. sewer pipes, in Reading Extension, to Rendle Stoddard Co., Chelsea, $26,016. Work involves 3000 cu.yd. earth and 100 cu.yd. rock excav., 30 cu.yd. brick and 100 cu.yd. concrete.

★**N. Y., New York**—H. Bruckner, pres. Bronx Boro., let contract to Fenlack Constr. Co., building storm water drain and appurtenances in East 233rd St., cost $132,213, combined sewers and appurtenances in Eden Terrace, $122,534. Noted Sept. 4.

★**N. J., Somerville**—Town let contract building sewer in Main St., to A. H. Conyne, Somerville, $29,703.

★**Pa., Pittsburgh**—City let contract laying 100 ft. 9-in. vitr. and 750 ft. 12-in. rein.-con. sewer pipe in Fallowfield Ave., to F. and F. Diulus, 40 Boundary St., $2429; 941 ft. 15 in. rein.-con. sewer pipe in Grandview Ave., to Critelli, Ricca & Zapp, 218 13th St., Sharpsburg, $3982; 204 ft. 10-in. rein.-con. and 2130 ft. 8-in. vitr. sewer pipe in Richmond St. and 1400 ft. 15-in. rein.-con. sewer pipe in McCandless St., to Manella & Lucenti, 6610 Rowan Ave., $5326 and $5024 respectively. Noted Aug. 28.

★**W. Va., South Charleston**—City let contract installing complete sewerage system, to McNichols Co., 924 South Kilbourn Ave., Chicago, Ill. About $140,000. Noted May 8.

★**Fla., Leesburg**—City let contract installing 5 mi. sewers and 1 septic tank, to Owens & Harwell, Tampa, $38,771. Noted Aug. 28.

★**O., Bexley**—L. S. Higgins, clk., let contract laying 6000 ft. 36-60 in. main sewers with branches, running in northerly direction, and 3200 ft. 15 in. and 4800 ft. 18 in. sanitary sewers in same trench with main sewers, to Sheets Constr. Co., Columbus, $195,000. Noted Sept. 11.

★**O., Lima**—A. L. Metheany, dir. pub. serv., let contract building Collett St. Relief Sewer, Contr. No. 1, to J. W. Farley, 118 North LaSalle St., Chicago, $523,000. Noted Aug. 7.

★**Mich., Detroit**—City let contract furnishing labor and material (except manhole rings and covers) building 5372 ft. 2 ft. 9 in. x 4 ft. 3 in. brick sewer in Newport Ave. from Waterloo to Forest Aves., to J. A. Mercier, 216 Hammond Bldg., $75,208. Noted Sept. 11.

★**Mich., Detroit**—Dickinson Real Estate Exch., 205 Old Whitney Bldg., rejected bids building 12,226 ft. vitr. crock lateral sewerage system, Avon Park Subdivision. About $20,000. Work will be done by day labor. Noted Aug. 28.

★**Mich., Royal Oak**—Baker Land Co. let contract furnishing labor and material building lateral sewerage system, Bronx Subdivision, involving 15,000 ft. 8-12 vitr. sewer pipe, etc., to Thorp & King, Royal Oak. Noted Aug. 14.

★**Minn., Walnut Grove**—City let contract building 4465 ft. 80 in., 2977 ft. 8 in. and 1122 ft. 10 in. vitr. sewer tile, including 1[illegible] lampholes, 62 manholes and disposal tank with septic tank, to O'Neil & Preston, 606 6th St., St. Paul, $41,275. Noted Aug. 28

Sewers (Continued)

★**Kan., Belle Plaine**—City let contract building sewage disposal plant and 6½ mi. sewers in various streets, to E. M. Eby, Wellington, $38,033. Noted Sept. 4.

Kan., Stafford—City let contract building 5260 ft. rein.-con. storm sewers, to American & Snyder, Salina, $23,403.

★**Neb., Newman Grove**—City let contract building sanitary sewer in various streets, involving 22,070 ft. 8-15 in. vitr. pipe, to A. A. Dobson, Lincoln. About $29,500. Noted July 3.

★**Neb., Osceola**—City let contract building sanitary sewers and disposal plant, involving 9800 ft. 8-12 in. vitr. pipe, and 27 x 60 ft. cameron tank, to H. J. Peterson & Co., Farnam Bldg., Omaha, $61,299.

★**Wyo., Lusk**—City let contract laying 6270 ft. 6 and 8 in. sewer pipes, to Gordon Constr. Co., 334 Century Bldg., Denver, Colo. About $17,000. Noted July 10.

★**Tex., Seguin**—Comrs. Guadalupe Co. let contract building rein.-con. drainage structures on Highway No. 3 from here to Gonzales Co. line, to J. W. Goodrum, Seguin, $16,240. Noted Sept. 11, under "Streets and Roads."

★**Cal., Willows**—City let contracts building sewers in Dist. No. 2 as follows: digging and laying pipe, to J. Heafey, 22 Mesa St., Oakland, $16,066; furnishing pipe, to H. C. Muddox, $9622; motor and pump, to California Hydraulic Eng. Co., 70 Fremont St., San Francisco, $914; furnishing cement, to D. C. Church, 798 10th St., San Francisco, $981. Noted July 31.

★**Ont., Walkerville**—Essex Border Utilities Comn., Windsor, let contract building brick and concrete sewage pumping station here, to R. Westcott & Co., 39 Ouellette Ave., Windsor. About $13,000.

Bridges

PROPOSED WORK

Pa., Daguscahonda—Bd. Supervs. Ridgway Twp., Elk Co., soon lets contract building iron bridge over Elk Creek on present stone abutments, 52 ft. span, rein.-con. flooring. B. H. Rhinesmith, Ridgway, Secy.

Ga., Chatsworth—Bd. Supervs. Murray Co. soon lets contract building 60 ft. span bridge, 10 ft. roadway, over Holly Creek, on Teasleys Pl., 80 ft. span, 10 ft. roadway, over Conasauga River, to be known as Alaculsey Bridge, 25 ft. span, 16 ft. roadway, on old federal road, three 20 ft. spans, 12 ft. roadway, 20 ft. span, 16 ft. roadway, over Pole Cat Creek, 50 ft. span, 12 ft. roadway, over Mill Creek, 50 ft. span, 12 ft. roadway, over Holly Creek, near Hasslers Mill, 20 ft. span, 12 ft. roadway, over Pin Hook Creek, on Fashion Rd., 20 ft. span, 16 ft. roadway, over Pin Hook Creek, on Cleveland and Spring Place Rd., all rein.-con. Alternate bids will be received on steel frames, with concrete floors and concrete abutments to be built of same general dimensions as to length, width, height and length of wings and same carrying capacity. J. M. Campbell, chn.

Wis., Mukwonago—Wisconsin Highway Comn., Madison, having surveys made for Mill Race Bridge, here, rein.-con., two 30 ft. spans, baluster railings and concrete abutments.

Neb., Henry—V. B. Kirkham, clk. Scotts Bluff Co. (Gering), soon lets contract building 600 ft. rein.-con. bridge, 16 ft. wide, to have twelve 50 ft. arches. Work involves 1100 cu. yd. rein.-con., 10,000 lin. ft. wooden piling and 30,000 cu. yd. earth approach and fill. About $70,000. Noted Aug. 14.

Neb., Minatare—V. B. Kirkham, clk. Scotts Bluff Co. (Gering), soon lets contract building 600 ft. rein.-con. bridge, 16 ft. wide, to have twelve 50 ft. arches. Work involves 1100 cu. yd. rein.-con., 10,000 lin. ft. wooden piling and 30,000 cu.yd. earth approach and fill. Noted Aug. 14.

Neb., Morrill—V. B. Kirkham, clk. Scotts Bluff Co. (Gering), soon lets contract building 600 ft. rein.-con. bridge, 16 ft. wide, to have twelve 50 ft. arches. Work involves 1100 cu. yd. rein.-con., 10,000 lin. ft. wooden piling and 30,000 cu. yd. earth approach and fill. About $70,000. Noted Aug. 14.

Neb., Scotts Bluff—V. B. Kirkham, clk. Scotts Bluff Co. (Gering), soon lets contract building 600 ft. rein.-con. bridge, 24 ft. wide, to have twelve 50 ft. arches. Work involves 1820 cu. yd. rein.-con., 13,200 lin. ft. wooden piling, 41,289 cu. yd. earth approach and fill, 3332 cu. yd. clay and 1003 cu. yd. gravel surfacing. About $100,000. Noted Aug. 14.

Mo., **Charleston**—See "Streets and Roads."

Wash., Yakima—Comrs. Yakima Co. plan to raise and repair Piland Bridge, steel span, which recently collapsed in Sunnyside Canal. About $10,000. W. C. Marion, co. engr.

Oregon—State Highway Comn., Portland, soon lets contract building bridge on West Side Highway, Yamhill Co., involving 300 cu.yd. class A concrete in bridge, 60 cu.yd. class A concrete in culvert, 50,000 lb. reinforcing steel, 300 lin.ft. concrete handrail, 600 lin.ft. wooden piling, cost to exceed $10,000; 40 ft. bridge over Crow Creek, Lane Co., 118 cu.ft. concrete handrail and 160 lin.ft. wooden piling, $10,000. H. Nunn, Salem, state highway engr.

Oregon—State Highway Comn., Portland, soon lets contract building bridge over Sand Creek, Douglas Co., involving 35,000 lb. reinforcing steel, 223 cu.yd. Class "A" concrete and 226 lin.ft. concrete handrail. Cost to exceed $10,000. H. Nunn, state highway engr.

Ont., Pembroke—See "Streets and Roads."

BIDS DESIRED

Pennsylvania—Until Oct. 3, by State Highway Dept., Harrisburg, building 12 and 14 ft. span bridges in Boggs and Bethel Twps., Armstrong Co., 12 ft. span, Summerhill Twp., Crawford Co., 8 and 12 ft. spans, Oakland and Harmony Twps., Susquehanna Co., 10 ft. span, Chanberry Twp., Venango Co., 10 ft. span, Lemon Twp., Wyoming Co.; also superstructure for one 42 ft. clear span through rein.-con. girder bridge, Vanderbilt Boro., Fayette Co., and for fabrication and erection complete of superstructure for one through plate girder highway bridge, 52 ft. centre to centre bearings, 25 ft. 8 in. centre to centre web plates, Davidson Twp., Sullivan Co. L. S. Sadler, state highway comr.

Pa., Conshohocken—Until Sept. 22, by city, building rein.-con. and steel bridge over Schuylkill River. About $175,000. B. H. Davis, 17 Battery Pl., New York City, engr. Noted Dec. 19.

Pa., Ebensburg—See "Streets and Roads."

Pa., Ebensburg—Until Sept. 24, by Comrs. Cambria Co., building rein.-con. girder bridge over Elk Run on road leading from Morrellville to Southmont, Lower Yoder Twp., 35 ft. long, 30 ft. wide. About $25,000. Owen & Plummer, Otto Bldg., Johnstown, engrs.

Ga., Trenton—See "Streets and Roads."

Ala., Birmingham—Until Sept. 29, by Bd. Revenue Jefferson Co., building 100 ft. rein.-con. bridge on Birmingham and Warrior Rds., State Rd. No. 1. Work involves 326 cu. yd. class A and 151 cu. yd. class C concrete, 110 cu. yd. stone masonry, taken down and rebuilt, 48,500 lb. reinforcing steel, 940 cu. yd. earth and 20 cu. yd. solid excav. Alternate bids will be considered on 100 ft. arch span and 100 ft. girder bridge of several spans. W. S. Keller, c/o State Highway Dept., Montgomery, engr.

Wis., Kenosha—Until Sept. 26, by Street Assessment Com., City Hall, building rein.-con. and bascule bridge on Main St. over harbor, here, consisting of 4 arch approach spans from 40-46 ft., 2 girder spans, 30 and 19 ft., 230 lin.ft. approaches and Strauss trunnion bascule span, 167 ft. center to center of trunnions, also for dismantling and removing present substructure and remove present superstructure into a substructure to be furnished by city at Middle St. crossing of north branch of the harbor on Washington Island; advertised in this issue.

N. B., Fredericton—Until Sept. 24, by P. J. Veniot, minister dept. pub. wks., building bridge over Little River mouth, Hamfield Parish, Queens Co. About $25,000.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**N. Y., Schenectady**—E. S. Walsh, supt. pub. wks., Capitol, Albany, let contract building abutments and approaches on Schenectady-Scotia bridge, rein.-con., extending from junction of State St. and Washington Ave. across Barge Canal Terminal channel, Van Slyck Island, Barge Canal main channel, Hog Island and the Scotia channel, to point about 300 ft. north of junction of Schonowee and Mohawk Aves., Scotia Village, to Walsh Constr. Co., Herald Bldg., Syracuse, $198,570. Noted Aug. 21.

★**N. Y., Watertown**—City let contract building rein.-con. and steel bridge over Black River on Court St., to Peckham Constr. Co., Niagara Life Bldg., Buffalo, $335,815. Noted July 17.

★**N. Y., Watertown**—Bd. Pub. Wks. let contract building 2 span rein.-con. and steel bridge, 200 ft. long, 39 ft. wide, over Black River on Factory St., to Walsh Constr. Co., Herald Bldg., Syracuse, $53,900. Noted Aug. 21.

Pa., Sunbury—Comrs. Northumberland Co. received lowest bid building rein.-con. girder bridge over Chillisquaque Creek in West Chillisquaque Twp., near here, from Whittaker & Diehl, Union Trust Bldg., Harrisburg. About $18,000. Noted Aug. 21.

★**Ala., Birmingham**—Bd. Revenue Jefferson Co. let contract building 100 ft. span rein.-con. bridge over Rock Creek, on Taylors Ferry Rd., to A. F. Bearden. About $19,000. Noted July 24.

★**Illinois**—State Highway Comn., Springfield, let contract building Keller Bridge, Johnson Twp., Christian Co., to A. Culberson. About $17,000.

★**Kan., Bonner Springs**—Comrs.-Wyandotte Co. (Kansas City), let contract building 100 ft. steel pony truss bridge, 22 ft. wide, concrete flooring and abutments, to A. J. Kopler, 700 West 12th St., Kansas City, $10,800. Noted Aug. 28.

★**Mont., Great Falls**—State Highway Comn., Helena, let contracts building 970 ft. concrete bridge, 42 ft. wide, on 1st Ave. and 1200 ft. concrete bridge, 44 ft. wide, on 10th St., both over Missouri River, to Porter Bros., Bway and Hardesty Rd., Seattle, Wash. About $242,000 and $232,000 respectively; 3% deduction on both bridges. Noted Aug. 7.

★**Washington**—State Highway Bd., Olympia, let contracts building 300 ft. steel bridge approaches over Quinault River, Grays Harbor Co., involving 200 cu.yd. concrete, 258,599 lbs. structural steel and 7400 lbs. reinforcing steel, to R. E. Meith, Portland, $44,181; 75 ft. rein.-con. arch bridge over Samish River, near Allen, Skagit Co., involving 580 cu.yd. concrete, 3700 lin.ft. wooden piling, 14,000 lb. steel reinforcing bars and 600 cu.yd. earth approach and fill for abutments and footings, to Norris Bros., Burlington, $15,980.

★**Wash., Olympia**—Comrs. Thurston Co. let contract building concrete bridge with wooden approaches, on West Side, to Union Bridge Co., Olympia, $132,000.

★**Wash., Underwood**—State Highway Comn., Olympia, let contract building 190 ft. steel bridge with approaches over White Salmon River, here, Skamania and Klickitat Counties, to Illinois Steel Bridge Co., Hutton Bldg., Spokane. Work involves 445 cu.yd. concrete, 4500 lbs. reinforcing bars and 1300 lin.ft. wood piling. Cost $35,960. Noted Aug. 14.

★**Ore., Astoria**—Port of Astoria Comn. let contract building 1100 ft. timber trestle and extending belt line railway to Astoria Paper Co. plant, to J. A. McEachern Co., foot of Kellogg St., Portland. About $18,000.

Cal., Hanford—Bd. Supervs. King Co. received bids building rein.-con. bridge over Kings River, south of Kingsburg, from Cotton & McCauley, 55 Jessie St., San Francisco, $31,512; Frederickson & Shannon, Cary Bldg., Fresno, $31,730; A. Johnson, Kingsburg, $33,621. Noted Aug. 7.

★**Cal., Modesto**—Bd. Supervs. Modesto Co. let contract building 1400 ft. concrete girder bridge over Merced River, having 31 spans with rein.-con. pile foundation, to E. Green, Modesto, $112,600.

★**Cal., Redwood City**—City let contract building 3 bridges over Redwood Creek, on Maple Ave., Hway. Ave. and on Webster St., to C. J. Lindgren, Burlingame, $26,547.

★**Cal., Woodland**—Conaway Ranch let contract building one 84 ft. and one 400 ft. timber bridge on ranch, to M. P. Holmes, Capitol Natl. Bank Bldg., Sacramento, $24,800.

Structural Steel

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Pa., Phila.—See "Miscellaneous."

★ **Mich., Ypsilanti**—See "Miscellaneous."

Reinforced Concrete

PROPOSED WORK

Ga., Chatsworth—See "Bridges."

BIDS DESIRED

Pennsylvania—See "Bridges."

Pa., Conshohocken—See "Bridges."

Pa., Ebensburg—See "Bridges."

Ala., Birmingham—See "Bridges."

Ont., Bobcaygeon—See "Miscellaneous."

PRICES AND CONTRACTS AWARDED

(★Indiactes award of contract)

★**Ala., Birmingham**—See "Bridges."

★**Ont., Port Arthur**—See "Industrial Works."

Streets and Roads

PROPOSED WORK

R. I., Woonsocket—City appropriated $16,800 to pave and curb North Main St. from Winter St. to city line; $49,400 to pave Social St. from George St. to city line; $67,000 to pave Cumberland St. from Cass Ave. to Cumberland Hill Rd.; also $49,000 to pave with granite blocks South St. from South Main St. to top of hill and from top of hill to Center St. with macadam.

New Jersey—State Highway Comn., Broad St. Bank Bldg., Trenton, rejected bids received Sept. 10, repairing State Highway Route No. 1, from Trenton to New Brunswick and Elizabeth and State Highway Route No. 4, from Rahway to Betsey Ross Farm, near Middleton, 18 ft. wide. A. L. Clover, ch. clk. Noted Aug. 28.

W. Va., Elkins—Randolph Co. plans to pave and build 50 ft. bridge and drainage structures on 5.75 mi. Staunton-Parkersburg Pike Rd., 16 ft. wide, involving 17,000 cu.yd. excav. and 53,955 sq.yd. 9 in. bituminous macadam (using local stone). About $103,700. F. A. Parsons, Elkins, engr.

W. Va., Grantsville—Calhoun Co. having plans prepared grading and draining 4.5 mi. Arnoldsburg-Spencer Pike Rd., 24 ft. wide, involving 27,500 cu.yd. excav. and 500 cu.yd. concrete. About $39,050. E. Starcher, Grantsvill, engr. Noted Sept. 11.

W. Va., Moundsville—Marshall Co. plans to pave and drain .48 mi. Narrow Rd., 16 ft. wide, involving 2000 cu.yd. excav., 3535 sq.yd. brick and 850 cu.yd. concrete base. About $32,700. R. C. Yoho, Moundsville, engr.

W. Va., St. Mary—City soon lets contract paving Clay St., involving 3960 sq.ft. 1 course concrete, 25,000 sq.ft. brick, 800 lin.ft. concrete curb and one 6 x 8 ft. culvert containing 60 yd. concrete. L. V. Carpenter, highway engr.

W. Va., Wellsburg—Brooke Co. plans to pave and drain 1 mi. River Rd., involving 6000 cu.yd. excav., 6200 sq.yd. concrete and 3188 sq.yd. bituminous macadam. About $28,800. G. W. Stenrod, Wellsburg, engr.

North Carolina—State Highway Comn., Raleigh, rejected bids received Aug. 28, hard surfacing 8 mi. roads, Graham Twp., Alamance Co. About $200,000. W. S. Fallis, c/o State Highway Dept., Raleigh, engr. Noted Aug. 21.

N. C., Burgaw—Pender Co. soon lets contract building 25 mi. gravel roads, Caswell Twp. Cost between $75,000 and $100,000. W. K. Allen, Odd Fellows' Bldg., Wilmington, engr.

N. C., Burgaw—Comrs. Pender Co. plan to build gravel roads. About $400,000. W. S. Fallis, care of State Highway Dept., Raleigh, engr.

N. C., Burnsville—Comrs. Yancey Co. plan to surface 27 mi. Marion-Micaville Rd. About $10,000. Engr. not selected.

N. C., Elizabethtown—Comrs. Bladen Co. plan to gravel roads. About $500,000. Address S. P. McNair, Tar Heel, chn. co. highway comn.

Fla., Clearwater—City voted $30,000 bonds as its share toward paving various streets. Total cost, $90,000.

Fla., Daytona—City voted $450,000 bonds to pave various streets.

Fla., Ft. Pierce—Comrs. St. Lucie Co. voted $20,000 bonds to build road from here to White City and $34,000 bonds for Okeechobee Rd. to Ten Mile Creek.

Fla., St. Augustine—See "Sewers."

Louisiana—State Highway Dept., New Orleans, soon lets contract gravel surfacing and draining 19.8 mi. Alexandria-Oberlin Highway, and 14.5 mi. Alexandria-Melville Highway, Rapides Parish. Former bids rejected. Noted Sept. 4.

La., Arcadia—Bienville Parish voted $1,000,000 bonds to build roads.

O., Bellaire—City election Nov. 4, to vote on $150,000 bonds to pave various streets, vitr. brick. H. Althar, city engr.

O., Columbus—City Council plans to grade, drain, curb, lay water mains and pave Ebner St., from Whittier to Siebert Sts., West Broad St. from Hague Ave. to west corporation line, and 11th Ave. from Cleveland to St. Clair Aves., also alley west of 17th St. from Bryden Rd. to Main St., alley west of Kellogg Ave. from Grove St. to second alley north, second alley north of Grove St. from Cleveland to Kellogg Aves., and alley north of Grove St. from alley west of and to Kellogg Ave., asphalt or brick. H. A. Maetzel, city engr.

O., Springfield—City plans to grade 1800 ft. Garfield Ave., 1st, 2nd, 3rd and 4th Sts., 30 ft. wide, involving 40,000 cu.yd. grading. About $21,000. W. E. Lucas, city engr.

Michigan—State Highway Comn., Lansing, soon lets contract grading, shaping, draining and surfacing 2 mi. State Trunk Line Rd. No. 24-8, Sects. A and B and 9.996 mi. No. 14-4, both 16 ft. wide, gravel, Isabella Co.; 1.716 mi. No. 10-9, Sect. B, 16 ft. wide, gravel, Alpena Co.; 0.994 mi. No. 33-1 and 1.006 mi. No. 32-2, 16 ft. wide, gravel, Oscoda Co.; 1.764 mi. No. 47-6, 16 ft. wide, gravel, Saginaw Co.; 2.343 mi. No. 13-1 and 3.072 mi. No. 17-3, 16 ft. wide, concrete, Kalamazoo Co.; 2.538 mi. No. 46-1, 16 ft. wide, gravel, Montcalm Co.; 3.759 mi. (shaping and draining only), No. 17-2, Sect. B, Jackson Co.; 0.979 mi. No. 11-15, 16 ft. wide, gravel, Grand Traverse Co.; 7.45 mi. No. 22-2, 16 ft. wide, gravel, Leelenau Co.; 2.536 mi. No. 16-1, 16 ft. wide, gravel, Lake Co.; 1.254 mi. No. 49-1, 16 ft. wide, gravel, Ingham Co.; 3.407 mi. (shaping and draining only) No. 13-11, Sect. B. Charlevoix Co.; 5.085 mi. Assessment Dist. Rd. No. 168, 12 ft. wide, Class "B" gravel, Midland Co.; 6.631 mi. No. 237, 12 ft. wide, Class "C" stone bottom, gravel top, Kalamazoo and St. Joseph Counties; 4.465 mi. road, 16 ft. wide, gravel, Sanilac Co. F. F. Rogers, comr.

Michigan—State Highway Comn., Lansing, soon lets contract shaping, grading and surfacing 5.848 mi. State Trunk Line Rd. No. 43-3, 16 ft. wide, involving 54,889 sq.yd. waterbound macadam; 5.025 mi. State Trunk Line Rd. No. 67-1, 16 ft. wide, 47,168 sq.yd. waterbound macadam and 13,468 cu.yd. earth excav., both Alger Co. F. F. Rogers, com.

Mich., Detroit—City soon receives bids grading, paving with asphaltic concrete on 6 in. concrete base and curbing with Medina stone, 1800 ft. Garland Ave. from Shoemaker to Harper Aves., 26 ft. wide, cost $26,750; 2300 ft. Marquette Dr. from Marquette Park to Jefferson Ave., 24 ft. wide, $30,720. C. W. Hubbell, city engr.

Ill., Chicago—Sanitary Dist. soon lets contract paving 8 mi. highway along North Shore Channel of district from Lawrence Ave., here to Sheridan Rd., Wilmette, 30 ft. wide, involving 170,000 sq.yd. 1 course concrete pavement, 2200 cu.yd. class A concrete, 160,000 cu.yd. excav. and filling, 20,000 ft. concrete curbing, 170,000 sq.yd. wire mesh reinforcing, 300 ton steel bar reinforcement, 32,000 sq.yd. broken stone shoulders, 12,800 ft. 12-18 in. vitr. pipe drains, 7 stone chimneys, 1800 ft. 12 in. clay tile drains, 27,500 ft. guard fence and 73 catchbasins. G. L. Wisner, ch. engr.

Wis., De Pere—City having plans prepared for 32,000 sq.yd. pavement and 20,000 lin.ft. curb and gutter. H. R. Albert, city engr.

Wis., Kiel—City plans to grade and pave 2.1 mi. Fremont St., between 1st St. and city limits, 18 ft. wide, involving 12,000 sq.yd. asphalt or concrete pavement and concrete curb and gutter. About $25,000. F. Muth, city engr.

Minn., East Grand Fork—City plans to build asphalt or concrete roads in Dist. No. 1. About $250,000. A. Briggs, clk.

Kan., Bonner Springs—City soon lets contract repairing 6700 sq.yd. and oiling 41,000 sq.yd. macadam pavement, constructing 1700 sq.yd. concrete pavement, 600 cu.yd. grading and 1400 cu.yd. curbing. Shockley Eng. Co., 740 Reserve Bank Bldg., Kansas City, Mo., engrs.

Kan., Kansas City—Comrs. Wyandotte Co. rejected bids received Aug. 30, grading, paving and building culverts 1¼ mi. road, 16 ft. wide, concrete. O. K. Williamson, Kansas City, engr. Noted Aug. 28.

Kan., Winfield—City plans to pave 18 blocks Bway, Ann and East 6th Sts., asphaltic concrete, concrete curbing and guttering. Engr. not selected.

N. D., Minot—City plans to pave 3 mi. various streets, 30 ft. wide. About $20,000. E. J. Thomas, city engr.

Mont., Deer Lodge—Powell Co. voted $100,000 bonds to build roads. L. Williams, Deer Lodge, engr. Noted Jan. 26.

Mont., Great Falls—Cascade Co. voted $500,000 bonds to build Park-Park Highway and other roads. Noted June 26.

Mont., Hamilton—Ravalli Co. voted $100,000 bonds to build roads. L. Pertli, Hamilton, engr. Noted June 26.

Mont., Virginia City—Madison Co. voted $150,000 bonds to build roads. C. O. Adams, Virginia City, engr. Noted July 10.

Mo., Charleston—Mississippi Co. receives bids about Oct. 1, grading, draining, paving and building culverts on 15.3 mi. road from Charleston to Birds Point, 16 ft. wide, earth shoulders, involving 142,666 cu.yd. course concrete on concrete base, 8 in. center and 6 in. sides. Plans also include one 70 ft. and one 60 ft. steel span bridges, concrete abutments, etc. About $475,000. Noted June 12.

Mo., St. Louis—See "Industrial Works."

Mo., St. Louis—Bd. Pub. Serv. soon receives bids resurfacing 2000 ft. Compton Ave. from Park to Choteau Aves., 35 ft. wide, involving 7333 sq. yd. vitr. brick; also 5250 ft. Page Blvd. from Vandeventer to Taylor Aves., 40 ft. wide, 22,150 sq. yd. asphalt, cost $62,150. C. M. Talbert, engr.

Tex., Ft. Worth—Tarrant Co. plans to grade, pave and build culverts on 5.8 mi. Ft. Worth and Dallas Rds., 20 ft. wide, concrete. About $245,982.

Tex., Lufkin—City plans to issue $75,000 bonds to improve various streets.

Oklahoma—State Highway Dept., Oklahoma, soon lets contract building 15 mi. road from Bortlesville south, 18 ft. wide, Federal Aid Project No. 15.

Okla., Ada—City having plans prepared by Johnson & Benham, engrs., Firestone Bldg., Kansas City, Mo., paving and guttering 65 blocks Main St. About $350,000.

Okla., Collinsville—City having plans prepared by Johnson & Benham, engrs., Firestone Bldg., Kansas City, Mo., paving 25 blocks, 25 ft. wide, brick or concrete. About $125,000.

Okla., Nowata—City soon lets contract paving various streets involving 63,000 sq. yd. brick, 41,580 cu.yd. excav., 41,950 combined curbing and guttering, 2380 ft. curbing, 840 ft. double guttering, 5000 ft. 10-24 in. storm sewers, 17 manholes and 51 catch basins. Archer & Stevens, New England Bldg., Kansas City, Mo., engrs.

Colo., Denver—City soon lets contract paving 7 blocks Acoma Dist. No. 1, asphaltic concrete, cost $43,431; 9760 sq.yd. concrete paving, Alley Paving Dist. No. 51, $20,831; 11,770 sq.yd. Alley Paving Dist. No. 50, $23,720. J. B. Hunter, city engr. Noted July 10.

Idaho, Lewiston—City plans to grade and pave new district, in eastern part of city. About $52,000.

Ariz., Mesa—City soon receives bids building 10 mi. cement walks. About $25,000.

Wash., Everett—City Comrs. rejected bids paving Baker Ave. from 23rd to 24th Sts., concrete, cost $11,205; also grading and building cement sidewalks on Virginia Ave. from Hewitt Ave. to 25th St., $13,506. Noted Sept. 11.

Wash., Port Orchard—City having estimates, plans and specifications prepared paving Bay St. from Harrison to Port Sts. Cost to exceed $10,000. W. A. McLeod, clk.

Wash., Tacoma—Comrs. Pierce Co. plan to pave 2 mi. Kapowsin Highway No. 23, concrete. About $40,000. E. A. White, co. engr.

Wash., Washtucna—City plans to build 21,864 sq.ft. concrete sidewalks and 2840 lin.ft. concrete curbs in Local Impvt. Dist. No. 1. Cost to exceed $10,000. A. J. Johnson, clk.

Wash., Yakima—Naches, Nob Hill, Cowiche and Tieton Rd. Dists. having preliminary plans prepared paving 7 mi. Harwood-Summitview Rd., concrete, also graveling 13 mi. roads leading from Harwood to Cowiche, Tieton and Naches Dists. About $140,000. W. C. Marion, co. engr. Noted Aug. 21.

Oregon—State Highway Comn., Salem, plans to grade and gravel 14 mi. road between Remote and Camas Valley, Coos Co. About $75,000. H. Nunn, state highway engr.

Ore., Forest City—City Council passed ordinance to drain, curb and pave Main St.; also 4th Ave. from 3rd to A Sts. Cost to exceed $10,000. W. P. Dyke, city recdr.

Cal., Marysville—G. W. Richards, city clk., receives bids about Nov. 1, improving 5th, 6th and D Sts. Work includes grading, 3 in. bituminous macadam pavement with 2 in. bitulithic surface, concrete curbs and gutters, 2 catchbasins, etc.

Cal., San Diego—City Council receives bids in November improving Granada St., involving 143,312 sq.ft. 5 in. concrete paving with oil and screenings top, 14,550 sq.ft. cement sidewalks, 2816 lin.ft. cement curb, etc. F. Rhodes, city engr.

Streets and Roads (Continued)

Ont., Pembroke—City plans to pave Sussex St. from McKay to Commercial Sts., McAllister St. from McKay to Commercial Sts., Pembroke St. from Commercial Sts., to Arnold Sts., and from K Hunts St. to Moffat's Crossing, Isabella St. from Maiden Lane to Doran St., 24 ft. wide, widening Lake St. and building concrete bridge over Muskrat River. Work involves 28,000 sq. yd. asphalt on concrete base and 16,000 lin.ft. concrete curbing. About $150,000. W. J. Moore, Pembroke, engr.

Ont., York—Town having plans prepared by F. Barber, engr., 40 Jarvis St., Toronto, for 15,850 ft. concrete sidewalks, 4 to 5 ft. wide. About $35,000.

Sask., Langham — Municipal Council passed by-law to expend $20,000 to improve roads and granolithic sidewalks.

Sask., Moosomin—Municipal Council soon receives bids building granolithic sidewalks; $28,000 has been appropriated for project. G. Polse, clk.

BIDS DESIRED

Massachusetts—Until Sept. 23, by State Highway Comn., Boston, building 5300 ft. road, 18 ft. wide, Wareham Twp., involving 10,000 sq.yd. asphalt macadam. A. W. Dean, state highway engr.

N. Y., Brooklyn—Until Sept. 24, by E. Riegelmann, boro. pres., regulating and repaving with permanent asphalt on 6 in. concrete foundation, roadway of High St. from Washington to Jay Sts., 4th Ave. from Bay Ridge to 5th Aves., with permanent Grade 1 old granite blocks on concrete foundation, Liberty St. from High to Fulton Sts.

N. Y., New York—Until Sept. 22, by F. L. Dowling, pres. Manhattan Boro., repairing asphalt pavements in railroad area, when and where directed by chief engineer, Bureau of Eng.

N. Y., S. I., St. George—Until Sept. 25, by C. D. Van Name, pres. Richmond Boro., regulating and repaving with bituminous concrete pavement and vitr. brick gutters on concrete foundation, roadway of North Burgher Ave. from Castleton Ave. to point 450 ft. south, with bituminous concrete pavement on concrete foundation. Sharpe Ave. from Richmond Terrace to Staten Island Rapid Transit R.R.

Pa., Ebensburg—Until Sept. 24, by Supervs. Summerhill Twp., c/o Comrs. Cambria Co., rebuilding 1.37 mi. road from Beaverdale to Wilmore, Summerhill Twp., also building concrete bridge over Laurel Run. About $100,000. Owen & Plummer, Otto Bldg., Johnstown, engr. Noted Aug. 21.

W. Va., Fayetteville—Until Oct. 6, by R. J. Stegall, clk. Fayette Co., paving 7 mi. highway, known as Beckman-Kanawha Falls Rd., 9 ft. wide, and building two 60 ft., one 24 ft. and one 18 ft. span bridges. Alternate bids will be received on asphaltic concrete, cement concrete, penetration macadam and other improved types of paving; advertised in this issue.

North Carolina—Until Sept. 28, by State Highway Comn., care of Division office, Greensboro, grading and gravel surfacing 8.2 mi. road, Person Co., cost $30,000; hard surfacing 4.6 mi. road, Guilford Co., $50,000. W. B. Fallis, Raleigh, state highway engr.

N. C., Concord—Until Sept. 25, by city, paving McGill, Church, Crowell, Marsh and Franklin Sts., involving 19,000 sq. yd. concrete. About $50,000. R. J. Long, city engr.

Ga., Trenton—Until Oct. 2, by Comrs. Roads and Revenues, Dade Co., building 9.8 mi. Federal Aid road, located 3 mi. south of here and Alabama state line known as Chattanooga-Birmingham Highway, involving 12 acres clearing and grubbing, 44,000 cu.yd. excav., 1050 cu.yd. concrete in headwalls, bridges, etc., 18,300 lb. steel reinforcing, in bridges, etc., 1400 lin.ft. vitr. clay pipe culverts, 25,500 cu.yd. sand clay surfacing; 2.4 mi. Federal aid road ½ mi. south of Wildwood and Tennessee state line, on Chattanooga-Birmingham Highway, involving 1 acre clearing and grubbing, 26,000 cu.yd. common and 6000 cu.yd. rock excav., 120 cu.yd. concrete in headwalls, bridges, etc., 1050 lb. steel reinforcing, in bridges, etc., 6250 cu.yd. sand clay surfacing and 450 lin.ft. vitr. clay pipe culverts. I. H. Wheeler, chn. Noted Sept. 4.

Ala., Montgomery—Until Sept. 30, by G. W. Barnett, city treas., paving 9150 sq.yd. High St. from Hull to Jackson Sts., brick, asphalt, bitulithic, mineral rubber, wood block, concrete, vibrolithic concrete or asphaltic concrete; advertised in this issue.

Louisiana—Until Sept. 25, by State Highway Dept., Maison Blanche Annex, New Orleans, ditching and surfacing 11.3 mi. Melville-Palmetto Highway, St. Landry Parish, 20 ft. wide, gravel. D. Buie, state highway engr.

Mich., Mt. Clemens—Until Sept. 25, by J. H. Mathews, city clk., grading, curbing and paving Grand Ave. and Leander St. from Washington St. to Cass Ave., brick, asphalt or concrete. About $40,000.

Ill., Chicago—Until Sept 22, by Bd. Local Impvts. paving Ave. G from East 106th to East 108th Sts., involving 2580 ft. concrete curbing, 5000 cu.yd. filling, 4870 sq.yd. paving with 8 in. blast furnace slag or limestone on 2½ in. granite or traprock, 9 catchbasins, cost $21,000.

South Park Ave. from East 77th to East 91st., 19,540 ft. concrete curbing, 21,000 cu.yd. excav., 41,400 sq.yd. paving with 8 in. blast furnace or slag or limestone on 2½ in. granite or traprock, 21 catchbasins, $137,500.

North California Ave. from Devon to Albion Aves., 2470 ft. concrete curbing, 2800 cu.yd. grading, 5800 sq.yd. paving with asphalt on 6 in. concrete, 8 catchbasins, $24,000.

Higgins Ave from Edmunds St. to Austin Ave., 6340 ft. concrete curbing, 9000 cu.yd. grading, 11,600 sq.yd. paving with asphalt on 6 in. concrete, 13 catchbasins, $56,000.

East 106th St. from Ave. H to Indianapolis Ave., 4710 ft. sandstone curbing, 15,500 cu.yd. filling, 7540 sq.yd. paving with 8 in. blast furnace slag or limestone on 2½ in. granite or traprock, 16 catchbasins, $30,000.

West 37th Pl. from Kedzie Ave. to point 299 ft. west, 640 ft. concrete curbing, 450 cu.yd. grading, 980 sq.yd. asphalt paving on 6 in. concrete, $4500.

Altgelt St. from Long to Central Aves., Lotus Ave from Fullerton to Wrightwood Aves., Linder Ave. from Fullerton to Wrightwood Aves., Luna Ave. from Fullerton to Wrightwood Aves., 10,550 ft. concrete curbing, 5000 cu.yd. grading, 14,450 sq.yd. paving with asphalt on 6 in. concrete, 12 catchbasins, $58,500.

Alley between East 63d and East 64th Sts., Langley and Champlain Aves., 410 cu. yd. grading, 1260 sq.yd paving with 7 in. concrete, $4300.

Alley between West 65th Pl., West 66th St., Stewart and Normal Aves., 196 cu.yd. grading, 1220 sq.yd. paving with 7 in. concrete surfaced with asphalt, $3900. C. D. Hill, ch. engr.

Minn., Brainerd—Until Oct. 11, by Comrs. Crow Wing Co., improving 3.5 mi. State Rd. No. 6, 24 ft. wide, involving 20 acres clearing and grubbing, 43,600 cu. yd. grading, 20,000 cu. yd. overhaul, etc. About $19,000. C. L. Motl, Brainerd, engr.

Minn., Duluth—Until Sept. 25, by J. A. Farrell, city comr., paving 2500 ft. 22nd Ave. W., from Superior to 7th Sts., 20-34 ft. wide, involving 3700 sq.yd. vitr. brick, 4190 sq.yd. concrete, 400 cu.yd. earth and 820 cu.yd. rock excav. About $50,000. E. K. Cae, city engr.

Minn., Montevideo—Until Oct. 7, by Comrs. Chippewa Co., improving 5 mi. Federal Aid Project No. 88, State Rd. No. 1, 24 ft. wide, involving 40,931 cu. yd. grading, 89,783 cu. yd. overhaul, 6000 cu. yd. gravel-ing, etc. About $30,000. F. P. Nelson, Montevideo, engr.

Kan., Ft. Scott—Until Oct. 6, by Comrs. Bourbon Co., macadamizing 43,207 ft. Jefferson Highway, 16 ft. wide. About 125,000. B. Boyle, engr.

Kan., Iola—Until Sept. 29, by Comrs. Allen Co., building 17,110 ft. Sect. A and B, Project No. 21, macadam base with gravel top, also one 27 ft. span arch bridge, 20 ft. roadway, involving 17 cu.yd. concrete and 130 lin.ft. piling. About $125,000.

Kan., Lawrence—Until Sept. 27, by Comrs. Douglas Co., paving with concrete 39,307 ft. Sects. E and F, Federal Aid Project No. 7, 18 ft. wide, also building bridges and walls. L. Dufee, engr.

Neb., Lincoln—Until Sept. 29, by W. L. Minor, clk., Lancaster Co., paving 5½ mi. Park Blvd., Asylum-Penitentiary Rd. and 14th St., involving 48,300 sq.yd. vertical fibre, 18,600 sq.yd. asphaltic concrete or 66,900 sq.yd. concrete on 5 in. concrete base, 55,300 lin.ft. concrete curbing, 520 lin.ft. guttering and curbing, 20,000 cu.yd. earth excav., 270 ft. 18 in. and 850 ft. 24 in. pipe, etc. About $290,000. A. H. Edgren co. engr.

Neb., Ralston—Until Sept. 23, by city clk., paving Burlington and 75th Sts., 20 ft. wide. Work involves 4700 yd. 6 in. concrete, 4200 lin.ft. curbing, 1000 yd. excav. and park guttering. About $17,500. H. A. Nelson Eng. Co., 424 Bee Bldg., Omaha, engrs. Noted Aug. 28.

Mo., Ridgeway—Until Oct. 6, by city, improving various streets, involving 24,700 sq.yd. concrete paving and 2500 cu.yd. concrete curbing and guttering. C. A. Stone, Ridgeway, engr.

California—Until Sept 22, by State Highway Comn., 515 Forum Bldg., Sacramento, paving 4.7 mi. road between Houston School and northerly boundary, San Joaquin Co., involving 20,000 cu.yd. excav., 4065 cu.yd. Class "A" Portland cement concrete pavement, 150 cu.yd. Class "A" Portland cement concrete for culverts and monuments, etc.; 8.6 mi. road between 2 mi. north Acton and Palmdale, Los Angeles Co., 44,700 cu.yd. excav., 11,700 cu.yd. Class "A" Portland cement concrete pavement, 260 cu.yd. Class "A" Portland cement concrete for culverts and monuments, etc., 1.3 mi. road between Russel Ranch and former easterly boundary, 1600 cu.yd. Portland cement concrete pavement; 5.2 mi. road between southerly boundary and Conejo Grade, 1500 cu.yd. excav. and 7000 cu.yd. Portland cement concrete, Ventura Co. A. B. Fletcher, state highway engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

Maine—State Highway Comn., Augusta received only bid paving .21 mi. bituminous macadam road, Brunswick Twp., from Small & Ingalls, Bar Harbor, $9246. Noted Aug. 21.

★**Maine**—State Highway Comn., Augusta, let contract to A. D. Bridges Sons, Inc., Hazardville, grading, draining and surfacing 9.35 mi. Riverside Drive, 16 ft. wide, Vassalboro Twp., involving 80,890 sq.yd. bituminous macadam, 23,593 cu.yd. earth and 570 cu.yd. rock excav., $253,273. Noted Aug. 12.

★**Massachusetts**—State Highway Comn., Boston, let contract building 9900 ft. road, 22 ft. wide, Norwell Twp., to W. F. Loud & Sons, Quincy, $21,093. Work involves 8250 gal. bituminous macadam surfacing, 3750 ton broken stone and 9900 cu.yd. earth excav. Noted Sept. 4.

★**Mass., Boston**—City let contract paving Conant, Parker Sts., et al, 40 ft. wide, involving 3600 sq.yd. asphalt on scarified macadam surface, to Bermudez Co., 246 1st St., $24,445; Harvard St. (Dorchester), 40 ft. wide, 2490 sq.yd. asphalt on 4 in. concrete base and 1280 cu.yd. earth excav., to Rowe Constr. Co., Brighton, $19,683.

New York—State Highway Comn., Capitol, Albany, received bids Sept. 9, improving roads in following counties: (a) Chautauqua Co., 4.29 mi. Fredonia-Silver Creek, Part 2, Rd. No. 8003; completing roads in following counties:

(b) Chautauqua Co., 4.94 mi. Silver Creek-Forestville, Rd. No. 1469,

(c1) Columbia Co., 7.14 mi. Hollowville-Craryville, Rd. No. 763, (c2) 7.77 mi. Claverack-Chatham, Part 2, Rd. No. 1332;

(d) Chenango and Madison Counties, 6.18 mi. Earlville-Hamilton, Rd. No. 5585,

(e1) Delaware Co., 5.84 mi. Colchester Delancey, Rd. No. 1272, (e2) 3.39 mi. Franklin-Unadilla, Part 1, Rd. No. 1440, (e3) 4.31 mi. Delancey-Delhi, Rd. No. 1441-A.

(f1) Erie Co., 9.14 mi. Collins Center-Springfield, Rd. No. 1333, (f2) 3.18 mi. Transit, part 4, Rd. No. 1334—A-1, (f3) 0.59 mi. Transit, Part 4, Rd. No. 1334—B-1,

(f4) 1.06 mi. Marilla-Marilla Sta., Rd. No. 1491-A, (f5) 3.02 mi. Transit-Wolcottsburg, Rd. No. 1493,

(g1) Fulton Co., 5.13 mi. Ephratahn-Kecks Center, Part 2, Rd. No. 620, (g2) 2.9 mi. St. Johnsville-Oppenhemin, Part 2, Rd. No. 621,

(h) Hamilton Co., 1.97 mi. Eagle Bay-Sixth Lake, Rd. No. 1098-A,

(i) Madison Co., 4.89 mi. DeRuyter-New Woodstock, Rd. No. 5586-A,

(j) Ontario Co., 8.63 mi. Canandaigua-Orleans, Rd. No. 1278,

(k) Orange Co., 1.17 mi. Cornwall-West Point, Part 3, Rd. No. 5573,

(l) Otsego Co., 12.66 mi. Morris-Oneonta, Rd. No. 1302,

(m) Tioga Co., 5.5 mi. Richford-Hartford Mills, Rd. No. 1452,

(n1) Tompkins Co., 3.38 mi. Brooktondale-Speedsville, Part 1 and Slatersville Springs-Caroline, Parts 3 and 4, Rd. No. 1431, (n2) 5.86 mi. Cortland-Croton, Parts 3 and 4, Rd. No. 1433, from

Constantine Constr. Co., 240 Dewey Ave., Buffalo, (a) $130,517, (f2) $106,253, (f3) $30,043;

E. J. Bailey, Brockton, (a) $132,326;

Felton Constr. Co., 1450 Michigan Ave., Buffalo, (a) $132,613, (b) $107,902;

Town Bd., Hanover, (b) $109,450;

A. Colarusso, Hudson, (c1) $74,698, (c2) $127,158;

Streets and Roads (Continued)

S. Beskin, Beacon, (c1) $76,803;
Belmar Contg. Co., Inc., Troy, (c1) $78,-661;
J. Walker, 19 Steuben St., Albany, (c2) $124,299;
H. W. Roberts & Co., 610 Lansing St., Utica, (d) $88,579, (g1) $134,186, (i) $119,080;
Paddelford & King, Sherburne, (d) $88,-658;
Lane Constr. Co., 37 Colony St., Meriden, Conn., (e2) $80,778;
Universal Steel Export Co., Inc., 26 Cortlandt St., New York City, (e3) $203,-499;
Rosoff Eng. Co., 15 Park Row, New York City, (e3) $210,149, (h) $52,036.
R. Hopkins, Troy, (e3) $213,777, (h) $53,467, (i) $228,988;
H. C. Schroeder, Mercantile Bldg., Rochester, (f1) $217,503, (f2) $112,378; (f3) $29,721;
E. J. Hessell, West Falls, (f1) $219,287;
Myer & Myer Corp., Depew, (f2) $112,-267, (f3) $30,918, (f4) $24,317, (f5) $64,-053;
Greenfield Constr. Co., 89 Main St., Hornell, (f4) $23,195, (j) $31,853;
F. W. Knickenberg Contg. Co., 702 Michigan Ave., Buffalo, (f4) $24,552;
P. H. Murray, Cutler Bldg., Rochester, (f5) $59,884.
Rossney Contg. Co., Buffalo, (f5) $60,-405.
Dale Eng. Co., Mann Bldg., Utica, (f5) $63,697, (g2) $35,873;
E. J. Anderson & Co., Albany, (g1) $133,-060.
H. A. Schaupp, Inc., Albany, (g2) $34,-950;
D. I. Snell, Canajoharie, (g2) $36,333;
D. J. Phelan & Co., Utica, (h) $52,315;
Conroy & Nixdorf, Oneida, (i) $109,052;
Monroe Rds. Co., Pittsford, (j) $31,271;
Troup & Sherwood Co., Haverstraw, (k) $29,199;
J. L. Hayes Constr. Co., Inc., 53 South Bway, Yonkers, (k) $30,243;
D. W. Robbins, Inc., Utica, (m) $98,290;
P. D. Conley, Ithaca, (n1) $70,314;
F. J. Foote Co., Inc., Nunda, (f5) $65,-041, (n2) $131,440;
DeGraff & Hogeboom, Inc., Kingston, (e1) $44,742. Noted Aug. 21.

★N. Y., New York—H. Bruckner, pres. Bronx Boro., let contract paving East 239th St., to Uvalde Asphalt Paving Co., 1 Bway, $7089; East 170th St., to Asphalt Constr. Co., 2197 Madison Ave., $11,673. Noted Sept. 4.

New Jersey—State Highway Comn., Broad St. Bank Bldg., Trenton, received bids building 3865 sq.yd. State Highway Route No. 1, Sect. 1A, Metuchen Twp., Middlesex Co., concrete, from M. I. Demarest, Seawarren, $34,466; J. F. Burke, Plainfield, $38,602. Noted Aug. 28.

★N. J., Bridgeton—Comrs. Cumberland Co. let contract building 2 mi. Bridgeton-Fairton Rd., 20 ft. wide, to A. H. Lupton, Bridgeton, $17,213.

★N. J., Trenton—Bd. Freeholders Mercer Co. let contract repaving East State St. and Whitehead's Rd., sheet asphalt and vitr. brick on Portland cement concrete base, to J. J. Barrett, 147 Lafayette Ave., $53,099. Noted Aug. 28.

★Pa., Pittsburgh—City let contract grading, paving and curbing McCandless Ave. from 53rd to 56th Sts., to F. and F. Diulus, 40 Boundary St., $28,951. Work involves 2273 sq.yd. vitr. brick and 1592 sq.yd. stone block on 6 in. concrete base, 3000 lin.ft. concrete curbing and 11,006 cu.yd. earth excav. Noted Aug. 28.

★Pa., Waynesburg—Comrs. Greene Co. let contract building concrete and vitr. brick road from Dry Tavern on Waynesburg Rd., to E. E. Morris, Waynesburg, $319,732.

★W. Va., Beckley—Raleigh Co. let contract paving 8.5 mi. Giles, Fayette and Kanawha Turnpike, 9 ft. wide, penetration macadam with 3 ft. broken stone shoulder, to Vaughn Constr. Co., Williamson. About $90,000. County will furnish asphalt. Noted July 31.

★W. Va., Harrisville—Ritchie Co. will grade and drain 4 mi. Harrisville-Smithville Rd., 26 ft. wide. About $35,000. Work will be done by day labor. About July 17.

★W. Va., Keyser—Comrs. Mineral Co. let contract building Elk Dist. Rd., to H. W. Kaylor & Co., 106 Arcade Bldg., Hagerstown, Md. Work involves 45 000 cu.yd. unclassified excav., $1.10 per cu yd., 1000 cu.yd. borrow excav., $1.00, 40 553 cu yd. concrete pavement, $2 55, 40.553 cu. yd bituminous surface, $1.95, etc., total cost, $247,626. Noted Aug. 21.

★W. Va., Martinsburg—Berkeley Co. let contract grading and surfacing 8 mi. Winchester-Martinsburg Turnpike, to R. R. Feller, Martinsburg. About $82,000. Noted Aug. 14.

★W. Va., Moundsville—City let contract improving Cedar Ave. from 1st to 3rd Sts., to Stringer & Springer, Wheeling, $11,000.

★W. Va., St. Marys—Pleasants Co. will improve 5.4 mi. River Rd., 22 ft. wide, involving 32,400 cu.yd. excav. About $30,-800. Work will be done by day labor.

★W. Va., Wheeling—City let contract paving Eoff St., to C. B. Kimberly Co., 909 Natl. Bank of West Virginia Bldg., $21,-896; 16th St., to Stringer & Springer, Wheeling, $33,207; North Huron St., to Jacovetti & Savage, Wheeling, $26,639. Noted Sept. 4.

★Fla., Leesburg—City Council let contract paving various streets 2 in. asphaltic concrete on 4 in. concrete, to Southern Road Bldg. Co., Tampa. About $134,000. Noted June 19.

Louisiana—State Highway Dept. received bids building 14.85 mi. Port Allen-New Roads Highway, West Baton Rouge Parish, from Pelican Constr. Co., $110,546, W. S. Bonner, $111,255, G. W. Prutsman, $111,-274; contractors all of New Orleans. Noted Sept. 4.

Ohio—State Highway Comn., Columbus, received bids Sept. 12, building roads in following counties:
Ashtabula Co., Sect. "B" Cleveland-Meadville Rd., 1.44 mi., smoothing present roadway and resurfacing with brick, Dorsey Constr. Co., Findlay, $41,674.
Columbiana Co., Sect. "E-1" Lisbon-Canton Southern Rd., .51 mi., grading and paving with waterbound macadam, Jones Constr. Co., Salem, and W. F. Payne, Springfield, $19,765 each.
Gallia Co., Sect. "E-2" Gallapolis-Ironton Rd., 1.015 mi., garding, constructing bridges and culverts and paving with bituminous macadam, Miller & Miller, Gallapolis, $23,168.
Harrison Co., Sect. "N-1" Cadiz-Carrollton Rd., 2.40 mi., grading, constructing bridges and culverts and paving with bituminous macadam, R. L. Timmons, Cadiz, $63,581; L. B. Wilson, Newark, $63,074.
Sect. "N-2" Cadiz-Carrollton Rd., .48 mi., grading, constructing bridges and culverts and paving with bituminous macadam, R. L. Timmons, $12,046; L. B. Wilson, $12,045.
Lawrence Co., Sect. "L" Ohio River Rd., 4.386 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Mahl Bros., Ironton, $89,274.
Lorain Co., Sect. "Q" Milan-Elyria Rd., 1.21 mi., grading, building drainage structures and paving with rein.-con., Ohio Contg. Co., Elyria, $47,195; Elyria Constr. Co., Elyria, $45,511.
Mercer Co., Sect. "G" St. Marys-Celina Rd., 5.49 mi., grading, building drainage structures and paving with plain concrete, J. Lynn, Paulding, $153,478; John Wroe, 605 U. B. Bldg., Dayton, $154,120.
Sect. St. Marys-Celina Rd., .25 mi., grading and paving with plain concrete, Joseph Lynn, and Studebaker & Sons, Greenville, $6,870 each.
Sect. "D-2" Celina-Wabash Rd., 1.672 mi., grading, constructing drainage structures and paving with plain concrete, M. L. Hinton, Celina, $51,709; G. H. Heffner & Sons, Celina, $52,098.
Montgomery Co., Sect. "P" Dayton-Indianapolis Rd., .39 mi., grading, building drainage structures and paving with semi-monolithic brick, Foster-Reighert Constr. Co., Dayton, $24,595; Fink Eng. Co. 1533 Germantown St., Dayton, $24,859.
Sect. "C" Dayton-Germantown Rd., 3.35 mi., grading, building drainage structures and paving with rein.-con, Williams & Little Co., 2365 Euclid Heights Bldg., Cleveland, $83,842; E. Kemmerer, Dayton, $92,-717; bituminous macadam, C. W. Conley, Eaton, $94,910; J. C. McCann, 262 Midland Ave., Columbus, $99,868.
Noble Co., Sect. "D" Caldwell-Woodsfield Rd., 3.929 mi., grading, constructing bridges and culverts and paving with waterbound macadam, W. M. Gray, Bowling Green, $92,440.
Sect. "E" Caldwell-Woodsfield Rd., 2.814 mi., grading, constructing bridges and culverts and paving with waterbound macadam, W. M. Gray, $57,898.
Sect. "F" Caldwell-Woodsfield Rd., 2.719 mi., grading, constructing bridges and culverts and paving with waterbound macadam, W. M. Gray, $59,833.
Perry Co., Sect. "Q" Newark-New Lexington Rd., 1.73 mi., grading, constructing bridges and culverts and paving with bituminous macadam, W. M. Gray, $48,522.
Sect. "R" Newark-New Lexington Rd., 3.068 mi., grading, constructing bridges and culverts and paving with [illegible]minous macadam, W. M. Gray, $77,20[illegible]
Pickaway Co.; Sect. "T-1" [illegible]umbus-Portsmouth Rd., .44 mi., grading and paving with semi-monolithic brick, Mitchell & McDaniel, Columbus, $15,606; J. F. Perry & Son, Chillicothe, $15,996.
Ross County, Sect. "B-1" Dayton-Chillicothe Rd., 1 mi. grading, constructing bridges and culverts and paving with concrete, O. M. Junk, Chillicothe, $[illegible]876; J. F. Perry & Son, $25,953; monolithic brick, O. M. Junk, $15,902; J. F. Perry & Son, $16,928.
Sect. "A-1" Dayton-Chillicothe Rd., grading, constructing bridges and culverts and paving with concrete, O. M. Junk, $22,785; Brewer & Brewer Sons, Chillicothe, $23,622; brick, O. M. Junk, $15,417; Brewer & Brewer Sons, $16,609.
Scioto Co., Sect. "A-2" Portsmouth-Jackson Rd., 2 mi. grading, constructing bridges and culverts and paving with monolithic brick, S. Monroe & Sons Co., Portsmouth, $57,770; Harper & Ruel, Portsmouth, $58,562.
Shelby Co., Sect. "F" Sidney-Wapakoneta Rd., 3.521 mi., grading, constructing bridges and culverts and paving with plain concrete, F. E. Milligan, Mt. Victory, $99,265; John Wroe, $100,918.
Sect. "G" Piqua-Sidney Rd., 3.065 mi., grading, constructing bridges and culverts and paving with plain concrete, F. E. Milligan, $91,990; C. W. Conley, Eaton, $92,854.
Tuscarawas Co., Sect. "F" Canton-Canal-Dover Rd., 1.47 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Seipel & Wolfe Constr. Co., Youngstown, $38,579; J. C. McCann, $41,062.
Vinton Co., Sect. "D" McArthur-Gallapolis Rd., 3.62 mi., grading, constructing bridges and culverts, Ryan & Stone Constr. Co., Maumee, $22,822.
Warren Co., Sect. "D" Cincinnati-Columbus Rd., 4.05 mi., grading, constructing bridges and culverts and paving with waterbound macadam, Wilson Constr. Co., Xenia, and J. L. Raudebaugh, Montgomery, $64,590 each.
Wood Co., Sect. "A" Fremont-Perrysburg Rd., 3.48 mi., grading, constructing bridges and culverts and paving with bituminous macadam, Muldoon & Bergman, Genoa, $71,871; Wire Bros. & Berman, Elmore, $72,513; bituminous macadam (A-1), Muldoon & Bergman, $69,921; Wire Bros. & Berman, $71,954.
Sect. "B" Fremont-Perrysburg Rd., 3.25 mi., grading, constructing bridges and culverts and paving with bituminous macadam, W. M. Gray, $62,933; Muldoon & Bergman, $61,582. Noted Aug. 28.

★O., Cleveland—City let contracts to Freshwater Paving Co., 11712 Detroit Ave., paving Henley Ave. from West 92nd to 99th Sts., cost $10,199, Nordica Ave. from West 73rd to 80th Sts., involving 18,950 sq.ft. 5 in. brick paving, $10,558. Noted Aug. 28.

★O., Columbus—G. A. Borden, dir. pub. serv., let contract resurfacing 2860 ft. St. Clair Ave. from Mt. Vernon Ave. to south end of viaduct, 30 ft. wide, asphalt, to A. G. Pugh, Columbus, $36,920. Noted July 31.

★Mich., Detroit—City let contract paving with sheet asphalt on 6 in. concrete foundation Medina curbstone, Epworth Blvd. from Tireman to Dailey Aves., 46 ft. wide, less double track space, to W. B. Brady Constr. Co., 1972 Grand River Ave., $58,759; Epworth Blvd. from Warren to Tireman Aves., 46 ft. wide less double track space, Detroit Asphalt Paving Co., 20 McGraw Bldg., $50,-016. Noted May 29.

Wisconsin—State Highway Comn., Madison, received bids improving County Line Rd., Dodge and Jefferson Counties, Federal Aid Project No. 72, involving (a) 15,474 cu.yd. earth excav., (b) 286 cu yd. borrow excav., (c) 129 cu.yd. concrete in culverts, etc., from J. Finley, Janesville, (a) $.87 per cu.yd., (b) $.87, (c) $25, total cost, $20,344; P. W. Ryan & Sons, 214 Cherry St., Janesville, (a) $.85, (b) no bid, (c) $26, total, $21,355. Noted Sept. 11.

★Wisconsin—State Highway Comn., 601-602 Wilner Bldg., Green Bay, let contract improving Lake Shore Rd., Federal Aid Project No. 2, Manitowoc Co., to J. Young, Oconto, $52,189. Work involves 9624 cu yd. earth excav., $.99 per cu.yd., 62 cu.yd. concrete in culverts, $24, 100 cu.yd. concrete bridges, $26. Noted Sept. 11.

★Wisconsin—State Highway Comn., La Crosse, let contract improving Fountain City, Winona Rd., Federal Aid Project No. 87, Buffalo Co., to Funk & Rasmussen, La Crosse, $42,890. Work involves 38,000 cu yd. earth excav., $.54 per cu yd. 2619 cu.yd. rock excav., $1.65, 133 sq yd concrete paving, $3, 227 cu yd. concrete culverts, $27. Noted Sept. 4.

Streets and Roads (Continued)

★**Wisconsin** — State Highway Comn., Spooner, let contract improving Barron-Turtle Lake Rd., Federal Aid Project No. 101, Barron Co., to Swanson & Johnson, 5816 Oakes Ave., Superior, $48,797. Work involves 28,997 cu.yd. earth excav., $.70 per cu.yd., 5582 cu.yd. rock excav., $2, 476 cu.yd. concrete culverts, $26, 12 acres clearing and grubbing, $100. Noted Sept. 4.

★**Ia., Davenport**—Comrs. Scott Co. let contract to R. Condon, Omaha, Neb., paving Davenport-Durant Rd., $20,202; to Littig Constr. Co., 50 1st Natl. Bank Bldg., for 7514 cu.yd. earth excav., $4884, 335 cu.yd. macadam excav., $251 and 3200 yd. crushed rock, $4800.

★**Minn., Faribault**—Comrs. Rice Co. let contract to A. A. Guthrie & Co., 366 Jackson St., St. Paul, improving 5.5 mi. Federal Aid Project No. 77, 24 ft. wide, involving 48,732 cu.yd. excav., 6650 cu.yd. gravel surfacing, culverts, etc., $44,817. 4.3 mi. Federal Aid Project No. 69, 24 ft. wide, 15,824 cu.yd. excav., 5157 cu.yd. gravel surfacing, culverts, etc., $19,318; to J. E. McKillip, Faribault, 4.6 mi. Federal Aid Project No. 68, 24 ft. wide, 33,483 cu.yd. excav., 5600 cu.yd. gravel surfacing, culverts, etc., $22,746. Noted July 31.

★**Minn., Spring Valley**—City let contract paving 6655 sq.yd. road, creosote wood block, to Campbell Constr. Co., 3050 Hennepin Ave., Minneapolis, $40,000.

★**Montana**—State Highway Comn., Helena, let contract gravel surfacing 5 mi. Manhattan-No. 1 Ranch Rd., Gallatin Co., to N. Story, Bozeman, $47,115. Noted Aug. 14.

★**Mont., Billings**—City let contract building 44,000 sq.ft. sidewalk, to McElroy & Holmden, 105 North Bway., $10,405.

★**Ark., Ashdown**—Comrs. Little River Co. let contract building 8 mi. road, 8 ft. wide, in Dist. No. 7, involving 19,000 sq.yd. gravel, to J. G. Sanderson, Pine Bluff. About $126,000.

★**Ark., Helena**—Comrs. Phillips Co. let contract building 63 mi. Helena-Ferguson Rd., 6 in. concrete, 14 ft. wide, to J. A. Burt, Gunnison, Miss. About $1,900,000.

★**Ark., Little Rock**—Comrs. Northern Rd. Impvt. Dist., Arkansas Co., let contract building 75.9 mi. road to Miller-Butterworth Co., 621 South Trust Bldg., for Warrenite, cost $1,140,000; to Gregory & Wilson, Newport, for gravel, $414,000; Vincennes Bridge Co., Vincennes, Ind., for bridges, $83,000. Noted Aug. 21.

★**Okla., Bartlesville**—Comrs. Washington Co. let contract hard surfacing 15 mi. Bartlesville Highway, 18 ft. wide, concrete, to Western Paving Co., Terminal Bldg., Oklahoma. About $500,000.

★**Colorado**—State Highway Comn., Denver, let contracts paving 8.1 mi. Greeley-Denver Rd., Weld Co., 18 ft. wide, concrete, to Engineers Constr. Co., 807 7th St., Greeley, $22,000; 1.7 mi. Santa Fe Trail, Pueblo Co., 18 ft. wide concrete, Orman Constr. Co., Pueblo, $55,000; ⅞ mi. Longmont-Denver Rd., 18 ft. wide concrete, and ⅞ mi. Boulder Rd., 18 ft. wide, concrete, Boulder Co., to Colorado Bridge & Constr. Co., 306 Gas & Electric Bldg., Denver, $22,000 and $10,800 respectively. Noted Jan. 9.

★**Colo., Denver**—City let contract grading curbing and surfacing Harmon Impvt. Dist. No. 1, to J. V. Stryker, 2030 Welton Ave., cost $110,699; for sidewalks to R. M. Larson, 1309 Kalawath Ave., $45,023. Noted Sept. 3.

★**Ariz., Mesa**—City let contract paving Sect. 1 Tempe-Mesa Highway, 5 in. concrete pavement with 1½ in. bitulithic surface, to Southwestern Constr. Co., 13th Ave. and Lincoln St., Phoenix, $34,706; Sect. 2, 6 in. concrete pavement, near Mesa, to McElrath & Shumway, Mesa, $115,201. State will furnish cement.

★**Washington** — State Highway Bd., Olympia, let contract clearing, grading and draining 5.5 mi. Pacific Highway from Blanchard to Allen, Skagit Co., to Knutzen Bros., Burlington. $44,150; 1.9 mi. Pacific Highway from Marysville to Silvana, Snohomish Co., E. J. MacQuaid, 6556 3rd St., N. W., Seattle, $15,182; clearing, grading, draining and surfacing 6.7 mi. Pacific Highway from Castle Rock north, gravel, Cowlitz Co., H. McFee, Seattle, $241,318; 4 mi. North Bank Highway from Camas west, concrete, Clarke Co., Pacific Bridge Co., Salmon St., Portland, $142,-; 21.9 mi. Inland Empire Highway from Colfax to Central Ferry, crushed rock, Whitman Co., Ristvedt, Bragg Co., Colfax, $75,760; 7.8 mi. Central Washington Highway, from Cheney to Tyler, crushed rock, Spokane Co., Genl. Constr. Co., 1324 Elm St., Spokane, $82,505. Noted Aug. 14.

★**Wash., Colville**—Town Council let contract paving 4 blocks and building 8 mi. cement sidewalks on Main and 1st Sts., to W. J. Doust, 1034 Indiana St., Spokane, $22,787.

★**Wash., Ritzville**—Comrs. Adam Co. let contract grading, draining and surfacing 12½ mi. Donohue Rd. No. 3, involving 109,-139 cu. yd. earth and 4599 cu. yd. rock excav., and 22,304 cu. yd. crushed rock, to R. A. Sloan, Seattle, $131,274; 8½ mi. Donohue Rd. No. 4, 70 cu. yd. concrete, 18,058 cu. yd. earth excav. and 15,162 cu. yd. crushed gravel, to W. J. Smith & Co., Ritzville, $45,510. Noted Aug. 28.

★**Wash., Waterville**—Comrs. Douglas Co. let contract grading, draining and graveling 16 mi. L. I. D. Rd. No. 4, Sect. 2, near Withrow, to Mohr Constr. Co., Spokane, $91,000; 7½ mi. L. I. D. Rd No. 4, near Waterville, to S. G. Kinder, Spokane, $56,-000. Noted Aug. 21.

★**Ore., North Powder**—City let contract building new concrete crossings and sidewalks, to Newton Bros. Cost to exceed $10,000.

Ore., Portland—Comrs. Multnomah Co. received bids Aug. 25, clearing, grubbing, grading, laying drainage pipes and building 5100 ft. Hospital Rd. No. 938, (1) iron pipe, (2) concrete pipe, from Western Constr. Co., Portland, (1) $31,620, (2) $31,681; Baker Bros., Portland, (1) $37,731, (2) $37,863; R. L. Ray, Portland, (1) $38,321, (2) $38,178. Noted Aug. 21.

California—State Highway Comn., Forum Bldg., Sacramento, received bids building Sect. B, Route 13, Div. 3, Federal Aid Project No. 27, Stanislaus Co., from Palmer & McBryde, Hooker-Lent Bldg., San Francisco, $157,943, Bates & Borland, Oakland Bank of Savings Bldg., Oakland, $196,119, G. S. Benson & Son, Stimson Bldg., Los Angeles, $198,325; Sect. B, Route 2, Div. 7, Federal Aid Project No. 24, Orange Co., G. R. Curtis, 2440 East 26th St., Los Angeles, $86,551; Fairchild-Gilmore, Wilton Co., 610 South Main St., Los Angeles, $101,949; Los Angeles Paving Co., Inc., 2900 Santa Fe St., Los Angeles, $105,243; Sect. G, Route 1, Div. 1, Federal Aid Project No. 18, Humboldt Co., Mercer-Fraser Co., Eureka, $150,476. Noted Aug 28.

★**California**—State Highway Comn., Sacramento, rejected bids paving 10.7 mi. road through Tejon Pass, near Rose Station, Kern Co. About $214,400. Work will be done by day labor. J. B. Woodson, Fresno, div. engr.

★**Cal., Bakersfield**—City let contract improving 17th, Q, Cedar, K Sts. et al, to Federal Constr. Co., Call Bldg., San Francisco, $100,000. Work involves surfacing at $.01 per sq.ft., 3 in asphaltic concrete base with 1½ in. bitulithic surface, $.19 sq.ft., concrete gutters, $.25 per sq.ft., cement sidewalks, $.17 sq.ft. and concrete curbs, $.40 per lin.ft. Noted Apr. 24.

Cal., Los Angeles—City received bids grading and paving with 4 in. concrete 2600 ft. Coast Blvd., 20 ft. wide, from W. D. McCray, 424 Amer. Bank Bldg., $24,340; W. Liddington, 460 West 68th St., $24,730; Fairchild-Gilmore-Wilton Co., Pacific Electric Bldg., $33,100.

★**Cal., Martinez**—Bd. Supervs. Contra Costa Co. let contract paving 3 mi. Div. 14 county highways between Knightsen and Oakley, concrete, to Blanchard, Crocker & Howell, 58 2nd St., San Francisco, $83,616. Noted Aug. 21.

★**Cal., Porterville**—See "Railways" under California.

Railways

PROPOSED WORK

Ohio—Cleveland Ry., Leader News Bldg., Cleveland, receives bids about Sept. 30, building 3 mi. single track electric line on Ridge Rd. from Dennison Ave. to Big Creek. About $200,000. A. McKay, ch. engr.

Nevada—Tonopah-Divide & Coldfield Electric Ry. Co., Tonopah, organized by C. Stout, Reno, and others, plans to build 6 mi. electric railroad from Pevert claim to Toropah. R. W. Cattermole, Goldfield, ch. engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**California**—Atchison, Topeka & Santa Fe Ry., Kerckhoff Bldg., Los Angeles, let contract building 15 mi. line from Porterville to Ducor to Sharp & Fellows Contg. Co., Central Bldg., Los Angeles. Work involves heavy grading, pile trestles, concrete culverts, etc.

Excavation and Dredging

PROPOSED WORK

Wash., Woodland — Irrigation — Comrs. Cowlitz Co. plan to build irrigation system to reclaim 1200 acres between Lewis River and railway, in Diking Dist. No. 11. About $50,000. G. J. Poysky, Kelso, engr.

Cal., Oxnard—Ditches—Oxnard D. D. voted $200,000 bonds to build open ditches and pipe drains. Olmsted & Gillelen, 1112 Hollingsworth Bldg., Los Angeles, engrs. Work will probably be done by day labor. Noted Aug. 14.

BIDS DESIRED

N. Y., Marcy—Excavation—Until Sept. 24, by State Hospital Comn., Capitol, Albany, preparing subgrade of spur track involving 22,000 cu.yd. excav., 35 cu.yd. 2nd Class concrete, 15,000 lb. c.i. pipe laid, 1000 lb. metal reinforcement, etc., for Marcy Hospital, here. About $23,155.

Ind., Greenfield—Drainage—Until Oct. 4 by C. Haskett, supt. construction, Hancock Co., building John T. Collins Drain, involving 29,789 ft. 10-30 in. tile drain. C. Boone, Greenfield, engr.

Wis., Sheboygan — Excavation — Until Sept. 21, by J. Donohue, engr., York Bldg., excavating and installing 7500 ft. 8-10 and 12 in. tile drain, for Sheboygan Co. About $15,000.

Minn., Benson—Ditch—D. P. Carney, aud. Swift Co., receiving bids building Ditch No. 19, involving 53,600 ft. 5-20 in. tile. About $15,397.

Minn., Ivanhoe—Ditches—A. L. Swenson, aud. Lincoln Co., receiving bids building Co. Ditch No. 40, involving 13,453 yd. open ditching, No. 42, 32,405 yd. open ditching, cleaning Job No. 7, 7638 yd. open ditching and 2000 ft. tile. About $67,000. E. Haygun, Ivanhoe, engr.

Minn., Olivia—Until Oct. 7, by A. O. Schmidt, aud. Renville Co., building Ditch No. 75. About $115,889. F. M. Shepherd, Olivia, engr.

Ark., Marianna — Dredging—Until Sept. 23, by Daggett & Daggett, engrs., Marianna, building 22 mi. floating dredge work in Black Swamp D. D., Lee Co., involving 650,000 cu.yd. excav.

Ark., Marianna—Dredging—Until Sept. 23, by Comrs. Larkin Creek D. D., at office of Daggett & Daggett, Marianna, building 8½ mi. floating dredge work, involving 214,-000 yd. excav.

Ark., Marianna—Dredging—Until Sept. 23, by Comrs. Lee-Phillips D. D., at office of Daggett & Daggett, Marianna, building 30 mi. floating dredge work, involving 1,905,000 cu.yd. excav.

Cal., Colusa—Levee—Until Sept. 26, by Trustees Sacramento River West Side Levee Dist., 858 Mills Bldg., San Francisco, building and raising levee, (floating dredge-work). About $50,000. F. H. Tibbetts, Alaska Commercial Bldg., San Francisco, engr.

N. B., St. John—Dredging—Until Sept. 23, by Dept. Pub. Wks., Ottawa, Ont., dredging here. About $125,000. K. M. Cameron, c/o Dept. Pub. Wks., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Bridgeport** — Excavation — See "Miscellaneous."

★**Iowa, Avoca**—Drainage—D. D. No. 15 let contract building 5 mi. drainage ditches involving 400,000 yd. dry excav., to S. O. Briggs Co., 925-7 City Natl. Bank Bldg., Omaha, Neb., $.11 per yd. Total cost $44,000.

★**Minn., Faribault** — Excavation — See "Streets and Roads."

Utah, Fillmore—Drainage—Bd. Supervs. Millard Co. received bids furnishing labor and matarials building (a) system in L. D. No. 1, (b) D. D. No. 4, from C. Thompson, Omaha, Neb., (a) $208,067, (b) $381,023; Heussen & Packard, Atlas Bldg., Salt Lake City, (a) $241,432, (b) $464,105. Noted Aug. 14, under Hinckley.

Utah, Salt Lake City—Drainage—Brighton D. D. No. 1, Salt Lake Co., received bids furnishing labor and materials improving system, from Heussen & Packard, Atlas Bldg., $150,115; C. Thompson, Omaha, Neb., $175,065. Noted July 24.

Industrial Works

PROPOSED WORK

Vt. Swanton—Park & Pollard Co. plans to build brick and concrete grain elevator to replace one recently destroyed by fire. About $60,000. Architect not selected.

Indusrial Works (Continued)

Mass., Great Barrington—Stanley Insulating Co. plans to build 2 story brick and mill construction addition to factory. About $35,000. Private plans.

Mass., Worcester—J. N. Maguire Co., 745 Boylston St., Boston, having plans prepared by Appleton & Stearns, archts., 53 State St., Boston, for brick and rein.-con. garage, sales and service building, on Park Ave. About $60,000.

Mich., Filer City—Manistee Drop Forge Co., Manistee, purchased site and plans to build rein.-con., brick and steel plant, here. C. G. Briggs, secy. Architect not selected.

R. I., Providence—Arpin, Avila & Adolh, 33 Appleton St., having plans prepared for 1 story brick, concrete and steel garage, rein.-con. flooring, concrete foundation, on Manton Ave. and Cyril St. About $25,000. Private plans.

R. I., Providence—General Baking Co., 207 Brook St., having plans prepared by J. E. Byrne, archt., 45 East 17th St., New York City, for brick and rein.-con. bakery, on John and William Sts. About $150,000. Noted July 31.

R. I., Riverpoint—Royal Mills plans to build 3 story, 150 x 500 ft. weave shed and rebuild old spinning mill. About $500,000.

Conn., Hartford—H. Dragat, 340 Windsor Ave., having plans prepared by G. Zunner, archt., 756 Main St., for 2 story, 50 x 72 ft. mill construction warehouse, rein.-con. flooring.

Conn., New Haven—Alper, Krall & Co., 44 Crown St., soon lets contract building 4 story, 83 x 100 ft. brick and mill construction factory, concrete foundation, on Greene and Olive Sts. About $75,000. Brown & Von Beren, 185 Church St., archts. Noted July 31.

Conn., West Haven (New Haven P. O.)—New Haven Machine Co., 179 Milford Turnpike, Allingtown, soon receives bids building 2 story, 44 x 100 ft. brick and mill construction shop, concrete foundation on Milford Turnpike. About $25,000. Private plans.

N. Y, New York—M. Hausle, engr. and archt., 3307 3rd Ave., preparing plans for asphalt plant, 2 story, rein.-con., brick and steel, rein.-con. flooring, concrete foundation. About $100,000. Owner's name withheld.

N. Y., New York—Hoover Letter Serv., Inc., 387 4th Ave., having plans prepared by V. C. Farrar, archt. and engr., 4 East 39th St., for altering 5 story, brick and steel garage, rein.-con. flooring, at 117 West 46th St. About $25,000

N. Y., Watertown—Watertown Silk Mfg. Co., 35 Fairbanks St., plans to build 2 story, 60 x 180 ft. brick factory, concrete foundation, on Hamilton and Central Sts. About $50,000. Engineer not selected.

Pa., Phila.—Amer. Preserve Co., 946 Beach St., having plans prepared by Peuchert & Wunder, archts. and engrs., 310 Chestnut St., building 5 story, 80 x 250 ft. brick factory and 1 story, 50 x 70 ft. boiler house, on 3rd and Lehigh Sts.

Pa, Phila.—W. F. Koelle & Co., archts., 26th and Oxford Sts., rejected bids building 7 story, 49 x 186 ft., rein.-con. and brick ice cream plant on 8th and Cumberland Sts., for Breyer Ice Cream Co. Noted Aug. 14.

Pa., Phila—J. W. Vandergrift, care of Clark & Dudnick, archts., Drexel Bldg., soon receives bids building 2 story, 57 x 175 ft., brick garage on 12th and Cambria Sts. About $50,000.

Md., Frederick—Fiber Co. of North America, McLachlen Bldg., Wash., D. C., plans to build linen fiber factory, here. Address J. M Thomas, Frederick.

N. C., Southport—Cape Fear Fish Fertilizer Co., plans to build 1 story, 125 x 300 ft. plant. About $250,000.

La., Winnfield—Winn Parish Lumber Co. plans to build mill. About $500,000. J. S. Welsh, Shreveport, secy.

O., Cleveland—Cleveland & Sandusky Brewing Co., Amer. Trust Bldg., plans to build 2 story, 100 x 170 ft. rein.-con., steel and brick addition to bottling plant, on East 55th St. About $100,000. Architect not selected.

O., Cleveland—Federal Packing Co., East 4th St., plans to build 4 story, 40 x 115 ft. rein.-con., steel and brick cold storage plant. About $100,000. Architect not selected.

O., Cleveland—Fink Body & Fender Co., 2075 East 65th St., preparing plans for 2 story, 62 x 101 ft., rein.-con., steel and brick factory and repair shop. About $60,000.

O., Cleveland—F. A. Foyer, Schofield Bldg., having plans prepared by G. S. King, archt., Permanent Bldg., for 6 story, 88 x 95 ft., rein.-con., steel and brick garage and sales room, at 1341 Chestnut St. About $50,000.

O., Cleveland—S. Levin, 2407 East 46th St., plans to build 2 story, 116 x 139 ft., rein.-con., steel and brick garage, on Warren Rd. About $50,000. Architect not selected.

O., Cleveland—Pioneer Mfg. Co., East 103rd St. and Harvard Ave., plans to build 2 story, 170 x 200 ft., rein.-con., steel and brick factory, at 3053 East 82nd St. About $50,000. Architect not selected.

O., Cleveland—Western Electric Co., 413 Huron Rd., plans to build 6 story, 100 x 100 ft., rein.-con., steel and brick, warehouse and office, on Carnegie Ave. About $125,000. Architect not selected.

O., Cleveland—White Motor Car Co., East 79th St., preparing plans for 1 story, 200 x 600 ft., rein.-con., steel and brick addition to factory. About $600,000.

O., Cleveland—Zenith Tire & Rubber Co., Schofield Bldg., having preliminary plans prepared by A. W. Harris, archt., Schofield Bldg., for plant on Euclid Ave., to include several 1 story, rein.-con., steel and brick buildings. About $10,000,000.

O., Dayton—Sun Co., Woodville St. and Belt Ry., Toledo, plans to build 2 story, 100 x 130 ft., brick warehouse, brick foundation, on Wampum St., here. About $60,000. Architect not selected.

O., Delphos—Amer. Road & Mchy. Co. had plans prepared for large addition to plant. Cost including equipment, $300,000.

O., Mount Vernon—Knox Tire & Rubber Co. having plans prepared by Osborn Eng. Co., engrs., 2848 Prospect Ave., Cleveland, for 2 story, 90 x 200 ft., rein.-con., steel and brick factory and office. About $100,000.

O., Wooster—Buckeye Aluminum Co. having preliminary plans prepared for factory. About $125,000.

Mich., Bay City—J. P Beck, 201 South 2nd St., Saginaw, having plans prepared by R. E. Bickell, archt., Bay City, for 3 story, 100 x 100 ft., rein. con., brick and steel garage, store room and office, rein. con. flooring, concrete foundation, on Washington St., here About $60,000. Noted Aug. 21.

Mich., Detroit—H. S. Angell, archt., 722 Free Press Bldg., preparing plans for 2 story, 31 x 132 ft. rein.-con. and brick factory, rein.-con. flooring, concrete foundation, on Jones St. About $30,000. Owner's name withheld.

Mich., Detroit—General Ice Delivery Co., Grand River Ave., having plans prepared by D. R. Wells, archt., 435 Woodward Ave., for 1 story, 36 x 322 ft. brick, frame and tile storage plant, rein.-con. flooring, concrete foundation on Warren Ave.

Mich., Detroit—H. M. Lane Co., engrs., 701 Owen Bldg., receives bids about Sept. 25 building 1 story, 100 x 200 ft., concrete and steel foundry, rein. con. flooring, concrete foundation, on Herrick St and Vernor Ave., for Monarch Fdry. Co., 895 Greenwood Ave. Noted Sept. 11.

Mich., Detroit—Mildner & Eisen, archts., 924 Hammond Bldg., receives bids about Sept. 20, for 2 story, 60 x 100 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on Mack Ave., for Tivoli Brewing Co., 1555 Mack Ave.

Mich., Detroit—J. L. Miller, archt., 15 Goeble Bldg., preparing plans for 2 story, 43 x 100 ft., brick, steel and stone factory, rein. con. flooring, concrete foundation, on Milwaukee Ave. and Orleans St. About $35,000. Owner's name withheld.

Mich., Filer City—Manistee Drop Forge Co., Manistee, purchased site here, and plans to build rein.-con., brick and steel plant. C. G. Briggs, secy. Architect not selected.

Mich., Flint—Champion Ignition Co. soon lets contract building 3 story, 108 x 178 ft., rein.-con., brick and steel factory, rein.-con. flooring, concrete foundation, on Industrial Ave. and Harriet St.

Mich., Port Huron—Chief Motor Co. purchased 10-acre site on Elmwood St. and plans to build large plant. H. S. Erd, mgr. Architect not selected.

Mich., Saginaw—Cooper & Beckbissinger, archts., 114 South Jefferson St. receive bids about Sept. 20, building 4 story, 100 x 120 ft. brick, steel and concrete factory, concrete foundation. Owner's name withheld. Noted Sept. 11.

Ill., Chicago—P. Gerhardt, archt., 84 West Randolph St., soon receives bids building 2 story, 25 x 180 ft. rein.-con., steel and terra cotta addition to press room and offices, rein.-con. flooring, concrete foundation, at 316 West Madison St., for Illinois Publishing Co., Hearst Bldg. About $100,000.

Ill., Chicago—W. R. Johnston Mfg. Co., 359 East Ohio St., acquired 150 x 750 ft. site on Schubert and Fullerton Aves. and plans to build factory. About $100,000. Architect not announced.

Wis., Fairchild—Wisconsin Canned Food Co. plans to build 4 story, 90 x 150 ft. rein.-con. and brick factory, rein.-con. flooring, brick foundation, on Main St. About $40,000. Architect and engineer not selected.

Wis., Ft. Atkinson—James Mfg. Co. plans to build 1 story, 400 x 500 ft. brick, tile and steel factory, rein.-con. flooring, brick foundation. About $100,000. J. G. Shodron, Ft. Atkinson, archt. and engr.

Wis., Hartford—City having plans prepared by Cahill-Douglas, archts., Gross Bldg., Milwaukee, for 1 story, 60 x 110 ft. brick, rein.-con. and steel power plant, rein.-con. flooring, brick foundation. Cost between $50,000 and $60,000.

Wis., Sheboygan—Globe Fdry. Co., 9th St., plans to build 2 or 4 story, 60 x 250 ft. brick, rein.-con. and steel foundry, rein.-con. flooring, brick foundation, on Wildwood Ave. and 18th St. About $60,000. Architect and engineer not selected.

Ia., Waverly—Iowa Sugar Co. plans to build warehouse and pulp mill, both 3 story, 50 x 100 ft., concrete and steel, concrete foundation. About $700,000. Architect and engineer not selected.

Neb., Omaha—Omaha Flour Mills Co., 820 1st Nat'l. Bank Bldg., plans to build 7 story mill. About $600,000. Architect not selected.

Mo., St. Louis—Certain-t-eed Products Corp., Boatmen's Bank Bldg., soon receives bids building 4 story, concrete and brick factory on Union Ave. About $100,000. E. C. Taxis, engr., and Klipstein & Rathman, archts., both in Chemical Bldg.

Mo., St. Louis—Genl. Motors Co., Union and Natural Bridge Rds., plans to build storage houses, sheds and railway tracks at $3,000,000 factory now under construction, also vitr. brick and concrete driveway and road section on Natural Bridge Rd. rear Union Rd. About $75,000. W. H. Kilpatrick, c/o owner, engr.

Tex., Wichita Falls—Ft. Worth & Denver R. R., Ft. Worth, plans to build 2 story, concrete, freight station. About $200,000. R. C. Gowdy, 1420 Washington Ave., Ft. Worth, ch. engr.

Ariz., Phoenix—Arizona Fruit & Storage Co. having plans prepared by Shepard & Hamm, archts. and engrs., Central Bldg., Pasadena, Cal., for 90 x 160 ft., rein.-con. and brick packing plant, concrete foundation. About $50,000.

Wash., Chelan Station (Chelan P. O.)—Orchard Co. plans to build warehouse, 3 story, 60 x 100 ft., brick and hollow tile, concrete foundation, to include packing rooms, storage and shipping facilities, etc. About $50,000. Private plans.

Wash., Fairview (Seattle P. O.)—A. Kristoferson Co., Eastlake Ave., plans to build milk plant, 2 story, 100 x 100 ft., concrete, concrete foundation, to include refrigerating plant, mechanical carriers, elevators, power and compressed air plants, etc. About $50,000, exclusive of equipment. E. Story, New York Blk., Seattle, archt.

Wash., Leavenworth—Pelshastin Lumber Co. plans to rebuild box factory and saw mill, concrete and frame. About $75,000. Private plans

Ore., Bend—Bend Water, Light & Power Co. plans to build 1000 k.w. steam plant to double present power output. About $100,000. T. H. Foley, Bend, mgr.

Ore., Corvallis—Whiteside & Locke Hardware & Implement Co., purchased site on 3rd and Madison Sts. and plans to build 2 story, 50 x 100 ft. brick addition to plant. About $50,000. Private plans.

Ore., Myrtle Point—L. H. Pearce purchased site east of present property and plans to build 1 story, 90 x 100 ft. cement addition to garage. About $55,000. Architect not selected.

Ont., Cornwall—Firestone Tire & Rubber Co. South Main St., Akron, O., plans to build 3 story, factory here, probably concrete or steel. About $200,000. Engineer not selected.

Indusrial Works (Continued)

Cal., Chino—Libby, McNeil & Libby, 38 South Dearborn St., Chicago, purchased cannery here and plans to build 2 or 3 story rein.-con. addition, cost, $100,000 also spend $250,000 for other buildings and machinery.

Cal., Long Beach—Trident Packing Co. plans to take over plant of Pacific Packing Co. and build refrigeration and cold storage plants. About $50,000.

Cal., Oakland—Pacific Coast Shredded Wheat Co. 14th and Union Sts., having plans prepared by J. S. Bogart, archt., Mills Bldg., San Francisco, for 8 rein. con. wheat elevators with 100,000 bu. capacity. About $100,000.

Cal., Pasadena—Warnerlite Co., 45 South Raymond Ave., having plans prepared by Shepherd & Hamm, archts. and engrs., Central Bldg., for 1 story, 260 x 300 ft. factory and 1 story, 80 x 100 ft. administration building with two 60 x 80 ft. wings, rein.-con. and brick, concrete foundation, on Marengo Ave. About $100,000. Noted Aug. 21.

Sask., Melville—Grand Trunk Pacific Ry., McGill St., Montreal, Que., plans to build electric power plant here. About $110,000. H. R. Safford, ch. engr.

BIDS DESIRED

Conn., Bridgeport—See "Buildings."

N. Y., Marcy—Until Oct. 7, by State Hospital Comn., Capitol, Albany, for 1 story, 65 x 280 ft. central heating plant and 1 story, 80 x 120 ft. boiler room, brick and steel, concrete foundation, for Utica State Hospital, Marcy Division, here. Equipment includes three 500 hp. boilers, 2 fan blowers, one 125 kw. and one 75 kw. generators, pumps, meters, complete coal and ash handling equipment, motors, etc. About $500,000; advertised in this issue.

Pa., Pittsburgh—S. A. Maxwell & Co. receiving bids constructing 9 story, 52 x 88 ft. rein.-con. wholesale building, concrete foundation, on Isabella and Sandusky Sts. Hunting-Davis Co., Century Bldg., archts. Noted Aug. 21.

O., Canton—Canton Ice Delivery Co., Massillon, receiving bids building 1 story, 80 x 90 ft., rein.-con., steel and brick storage plant, on Navarre St., here. About $100,000. A. C. Bishop, Guardian Bldg., Cleveland, archt.

O., Cleveland—City Ice Delivery Co., 1935 Euclid Ave., receiving bids constructing 1 story, 100 x 140 ft., rein.-con., steel and brick storage building, on Euclid Ave. About $60,000. Private plans.

O., Cleveland—Cleveland Ry., Leader-News Bldg., receiving bids building 5 story, 49 x 80 ft., rein.-con., steel, terra cotta and brick sub-station at 13006 Woodland Ave. About $50,000. C. H. Clark, engr.

O., Cleveland—Cream Cone Mchy. Co., 5454 Hough Ave., receiving bids building 2 story, 54 x 54 ft., rein.-con., steel and brick factory, at 5808 Hough Ave. About $30,000. Private plans.

O., Cleveland—Cross Candy Co., 1966 East 66th St., receiving bids building 1 story, 47 x 140 ft., rein.-con., steel and brick factory, at 6509 Hough Ave. About $75,000. Private plans.

O., Cleveland—G. S. Rider, archt., Century Bldg., receiving bids building 1 story, 91 x 161 ft., rein.-con., steel and brick addition to factory, for Par Brook Co., Brook Park Rd. About $25,000.

O., Cleveland—White Motor Car Co., East 79th St., receiving bids building 2 story, 210 x 884 ft., rein.-con., steel and brick machine shop. About $175,000. Private plans.

O., Columbus—W. S. Ferguson Co., archts., 1900 Euclid Ave., Cleveland, receiving bids building 2 story, 63 x 183 ft. rein.-con., steel and brick garage, on Gay St., for Columbus Oldsmobile Co., 134 Gay St. About $60,000.

Mich., Detroit—Brown & Preston, archts., 406 Empire Bldg., receiving bids for 2 story, 65 x 100 ft., brick and steel addition to bakery, rein.-con. flooring, concrete foundation, on 4th St. and Merrick Ave., for Mills-Fox Baking Co., 4th St. and Merrick Ave. About $30,000. Noted Sept. 11.

Mich., Detroit—A. Kahn, archt., Marquette Bldg., receiving bids for 1 story, 275 x 528 ft., rein. con., brick and steel factory, rein. con. flooring, concrete foundation, for Paige Detroit Motor Car Co., McKinstry and Fort Sts., W.

Wis., Edgarton—Until Sept. 27, by Continental Axle Co., building 2 story, 60 x 275 ft. brick, rein.-con. and steel factory, rein.-con. flooring, brick foundation, on Main St. About $50,000. Private plans.

Minn., West Duluth (Duluth P. O.)—Duluth Showcase Co., West Superior St., Duluth, receiving bids for 3 story, 75 x 285 ft., concrete and steel factory at 2800 West Superior St. About $150,000. A. Puck, Torrey Bldg., Duluth, archt. Noted Sept. 4.

Okla., Muskogee—O. T. Grahm, 16th St. and Emporia Ave., receiving bids building 1 story, 100 x 100 ft., rein.-con. steel and brick garage, rein.-con. flooring, concrete foundation. About $50,000. H. O. Valeur & Co., 705 Phoenix Bldg., archts.

Que., Cap de la Madeleine—Until Sept. 27, by Tidewater Shipbuilders Ltd., Three Rivers, building 2 story, 40 x 62 ft., steel and brick machine shop, concrete foundation, on river front here. About $50,000 M. Mapes, Canadian Pacific Ry. Bldg., Windsor Sta., Montreal, archt.

Sask., Melville—Until Sept. 24, by Sask. Co-operative Creamery Co., Regina, building 3 story, 47 x 50 ft., concrete, brick and steel creamery. About $60,000. Poole Constr. Co., Smith St., archts.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract

★**Mass., Boston**—E. N. Weyner let contract building 3 story, 60 x 175 ft. rein.-con. garage, at 1001 Commonwealth Ave., to N. Hurwitz. About $100,000.

★**Mass., Lowell**—Massachusetts Cotton Mills Canal St., let contract building rein.-con. and brick power plant, rein.-con. flooring, concrete foundation, to H. P. Cummings Constr. Co., 14 Prospect St., Ware. About $200,000.

★**Mass., New Bedford**—Natl. Spun Silk Co., Bullard St., let contract building 1 story rein.-con. power house., rein.-con. flooring, concete foundation, to J. G. White Eng. Co., 43 Exchange Pl., New York City. About $100,000.

★**Mass., New Bedford**—New Bedford Storage Warehouse Co., School and Water Sts., will build 6 story rein.-con. addition to warehouse, rein.-con. flooring, concrete foundation, on School St. About $75,000. Work will be done by day labor.

★**Mass., Thorndike**—Leary & Walker, engrs., Purchase St., New Bedford, let contract to J. J. Prindiville Co., 59 Concord St., Framingham, building 6 story, 75 x 163 ft. brick and concrete mill, rein.-con. flooring, concrete foundation, for Thorndike Co. About $175,000. Noted Sept. 11.

★**Mass., Worcester**—Coppus Eng. & Equipment Co., Inc., Park Ave., let contract building 1 story, brick, concrete and steel addition to foundry, rein.-con. flooring, concrete foundation, to G. W. Carr Co., 518 Main St. About $80,000. Noted Aug. 28.

★**Mass., Worcester**—Worcester Paper Box Co., 68 High St., will build 2 and 4 story, brick and rein.-con. garage, rein.-con. flooring, concrete foundation, on Austin St. About $100,000. Work will be done by day labor. Noted Aug. 14.

★**R. I., Pawtucket**—Darlington Textile Co., 48 Hughes Ave., let contract building 1 story, 50 x 100 ft. brick and mill construction weave shed, rein.-con. flooring, concrete foundation, to F. G. Rowley Co., 260 Central Ave. About $25,000.

★**R. I., Pawtucket**—Ervma Weaving Co., 30 Bayley St., let contract building 1 story, 90 x 114 ft. brick and mill construction weave shed, rein.-con. flooring, concrete foundation, on Privet St., to F. G. Rowley Co., 260 Central Ave. About $30,000.

★**Conn., New Haven**—New Haven Stove Repair Co., 488 State St., will build 1 story, 60 x 105 ft. brick and steel garage, rein.-con. flooring, concrete foundation, on State St. About $25,000. Work will be done by day labor under supervision of J. Weinstein, archt., 6 Church St. Noted Aug. 21.

★**Conn., New Haven**—Texas Oil Co., 17 Battery Pl., New York City, will build 1 and 2 story, 38 x 100 ft. storage and office and 1 story, 40 x 56 ft. garage, rein.-con., rein.-con. flooring, concrete foundation, on Forbes Ave. About $35,000. Work will be done by day labor. Noted Aug. 14.

★**Conn., Waterbury**—F. A. Webster, archt., 51 West Main St., let contract to Tidewater Bldg. Co., 16 East 33rd St., New York City, constructing 1 story, 50 x 50 ft. shop, 2 story, 50 x 120 ft. foundry and 1 story, 100 x 100 ft. storage building, brick, rein.-con. flooring, concrete foundation, on Railroad Hill, for Manufacturers Fdry. Co. About $60,000. Noted Sept. 11.

★**N. Y., Hempstead**—Borden Farm Products Co., Main St., let contract building 1 story, 30 x 180 ft., brick and steel distributing plant, rein.-con. flooring, concrete foundation, to Miller-Reed Co., 103 Park Ave., New York City.

★**N. Y., New York**—J. Cohen, 243 Penn St., Brooklyn, will build 1 story, 80 x 98 ft. brick and steel garage, rein.-con. flooring, brick foundation, at 233 West 25th St., here. About $40,000. Work will be done by day labor.

★**N. Y., New York**—A. M. Fleming, 612 5th Ave., will build 2 story, 100 x 100 ft. brick and steel garage, rein.-con. flooring, brick foundation at 236 East 55th St. About $35,000. Work will be done by day labor.

★**N. Y., New York**—J. P. Stanley, 30th St. and North River, let contract altering and building 3 story, 100 x 175 ft. brick and steel addition to warehouse, to Fanning-Quinn, 105 West 40th St. About $100,000.

★**Pa., Carbondale**—Carbondale Machine Shop, Simpson St., let contract building 1 story, 80 x 220 ft., steel and hollow tile, machine shop, to Hughes-Foulkard Co., Commonwealth Trust Bldg., Phila. About $60,000.

★**Pa., Sharon**—N. Rosenblum, 83 Shenango St., let contract building 2 story warehouse on Pitt St., to Wallis & Carley, Bank St. About $100,000.

★**Md., Baltimore**—G. R. Callis, Jr., archt. Melvin Ave., Cantonville, let contract to West Constr. Co., 907 Amer. Bldg., for 5 story, 83 x 197 ft., rein.-con. and brick warehouse, concrete foundation, for Genl. Coffee & Tea Co., Light and Lee Sts. About $140,000. Noted Aug. 28.

★**D. C., Washington**—Hill & Tibbits, 1407 H St., N. W., let contract building 3 story, 100 x 100 ft., rein.-con. and brick garage and show room, on 14th and Ohio Sts., N. W., to R. P. Whitty, Union Trust Bldg. About $50,000.

★**N. C., Greensboro**—McGlanery Auto Co. let contract building 2 story, 85 x 200 ft. concrete garage, on Ashe St., to J. B. Couse, Greensboro. About $140,000.

★**N. C., Statesville**—Statesville Coco Cola Co. let contract building 2 story, 50 x 90 ft. brick plant, to F. Lawrence, Statesville. About $200,000.

★**Ala., Opelika**—Opelika Cotton Co. let contract building addition to mill, to Fiske-Carter Co., Greenville, S. C. About $100,000.

★**O., Cleveland**—Holam Mfg. Co., 4011 Clark Ave., let contract building 2 story, 80 x 116 ft., rein.-con., steel and brick factory, at 3809 Clark Ave., to F. J. Kuka, 4216 Warner Rd., Lakewood. About $40,000.

★**O., Cleveland**—G. W. Worder Co., 6530 Carnegie Ave., let contract building 2 story, 47 x 120 ft., concrete, steel and brick addition to factory, to H. G. Slatmeyer Co., Lakeside Ave. About $25,000. Noted Aug. 21.

★**O., Dayton**—Dayton Pipe Coupling Co. let contract building 1 story, 90 x 120 ft. rein.-con. and steel forge and machine shop, rein.-con. flooring, concrete foundation, on Edmund St., to J. Lowes, Schwind Bldg. About $50,000.

★**O., Kent**—Mason Tire & Rubber Co. let contract building 2 story, 80 x 120 ft., rein.-con., steel and brick addition to factory, on Erie St., to Cummins Blair Co., Leader News Bldg., Cleveland. About $60,000. Noted July 24.

★**O., Urbana**—Urbana Packing Co. let contract building 2 story, 30 x 75 ft. power house and 2 story, 30 x 60 ft. storage plant, rein.-con. and brick, rein.-con. flooring, concrete foundation, to J. A. Poss, Springfield. About $30,000.

★**Ind., Ft. Wayne**—Thieme Bros. Co., Park Ave., let contract building rein.-con. and steel factory, rein.-con. flooring, concrete foundation, on Rynnion and Morrison Aves., to Indiana Eng. & Constr. Co., 528 Lincoln Life Bldg. About $185,000.

★**Mich., Detroit**—A. Kahn, archt., Marquette Bldg., let contract to Bryan & Detwiler, Dime Bank Bldg., for 1 story, 241 x 446 ft. addition and 3 story, 80 x 225 ft. extension to factory, rein.-con. and steel, in West Grand Blvd. and Belt Line Ry., for Packard Motor Car Co., West Grand Blvd. Noted July 3.

Industrial Works (Continued)

★**Mich., Detroit**—Young Bros., Franklin St., let masonry contract building 1 and 2 story, 105 x 161 ft., concrete, brick and steel factory, rein.-con. flooring, concrete foundation on Beufait Ave., to Krieghoff Co., 1187 Bellevue Ave.; carpentry, to C. Reisdorf, 753 Greenwood Ave. Noted Aug. 28.

★**Ill., Chicago**—Knight Light & Soda Fountain Co., 351 West Chicago Ave., let contract building 3 story, 77 x 210 ft. and 1 story, 160 x 200 ft. mill construction factory, concrete foundation, on Kildare and Schubert Aves., to W. F. Peterson, 127 North Dearborn St. About $200,000.

★**Ill., Moline**—Moline Iron Wks. let contract building 1 story, 110 x 360 ft. and 110 x 400 ft. fireproof factories, to P. H. Lorenz, 413 Peoples Bank Bldg. About $200,000.

★**Wis., Chilton**—Aluminum Specialty Co., 17th and Wollmer Sts., let contract building 2 story, 60 x 200 ft. brick, and steel factory, rein.-con. flooring, brick foundation, on Main St., to Blake Constr. Co., Appleton, $71,020. Noted Sept. 4.

★**Wis., Milwaukee**—Edmonds Realty Co., let contract building 1 story, 135 x 475 ft. brick and steel factory, concrete foundation, to H. J. Kusel, 35 South Dearborn St., Chicago. About $275,000.

★**Kan., Emporia**—McCord & Kistler Mercantile Co., 201 Kansas Ave., let contract building 2 story, 75 x 150 ft., rein.-con., steel and brick warehouse, rein.-con. flooring, rock and concrete foundation, to J. M. Leeper, State House, Topeka. About $71,000. Noted Aug. 28.

★**Neb., Omaha**—Item Biscuit Co., 202 Capitol Ave., let contract building 7 story, 118 x 132 ft., rein.-con., brick and steel addition to factory, rein.-con. flooring, concrete foundation, to C. F. Haglin & Son, 2706 10th Ave., Minneapolis, Minn. About $200,000.

★**Mo. St. Louis**—Landis Machine Co., 1515 North 25th St., let contract building 4 story, concrete and brick factory on 2nd and Gano Sts., to J. H. Bright Bldg. Co., Title Guarantee Bldg., $245,000.

★**Okla., Oklahoma**—Mideke Supply Co., 200 West 1st St., let contract constructing 1 story, 75 x 140 ft. warehouse and 3 story, 80 x 140 ft. main building, rein.-con. and brick, rein.-con. flooring, concrete foundation, at 200 East Main St., to Reinhart & Donovan, Insurance Bldg., cost plus percentage basis.

★**Ore., Portland**—Royal Bakery Co., 441 Everett St., let contract building 1 story, 70 x 90 ft. and 2 story, 16 x 44 ft additions to bakery, brick and concrete, concrete foundation, on Vancouver Ave and Ivy St., to R. O. Powers, 214 Ry. Exch. Bldg. About $50,000.

★**Cal., Los Angeles**—Standard Oil Co., 1727 North Spring St., let contract building 1 story, 30 x 284 ft. garage and 80 x 198 ft. machine shop, concrete, concrete foundation, at 1726 North Spring St., to E. F. Low, 343 Wilcox Bldg., $63,000.

★**Cal., San Francisco**—Simmons Co., 198 Bay St., let contract building 135 x 278 ft. brick and timber factory, on Bay and Stockton Sts., to F. B. Peake, 1247 2nd Ave. About $100,000. Noted Sept. 11.

★**Que., Montreal**—W. C. M. Rees, Ontario St., let contract building 4 story, 50 x 75 ft. steel and brick factory, concrete foundation, to Atlas Co., 37 Belmont St. About $70,000.

★**Ont., Port Arthur**—Canadian Natl. Rys., 27 Wellington St., E., Toronto, let contract building rein.-con. grain elevator, 700,000 bu. capacity, here, rein.-con. flooring, rock and concrete foundation, to Barnett & McQueen, Port Arthur. About $600,000, cost plus 10% basis.

Buildings

PROPOSED WORK

Mass., Amherst—Dormitory, etc.—Massachusetts Agricultural College having plans prepared by J. H. Ritchie, archt., 8 Beacon St., Boston, for 3 story, 60 x 155 ft., brick, steel and concrete dormitory and dining room, concrete foundation, on campus About $150,000. Noted May 15.

Mass., Framingham—School—Town having plans prepared by C. M. Baker, archt., 70 Equitable Bldg., Boston, for 2½ story, 16 room, brick, concrete and steel, on Hollis St. About $170,000. E. E. Bowers, clk. Noted May 22.

Mass., Framingham—School—Town having plans prepared by Kilham & Hopkins, archts., 9 Park St., Boston, for 2 story, 16 room, brick and steel, on Lincoln St. About $160,000. E. E. Bowers, clk.

Mass., Springfield—Home and Lodge—Knights of Columbus, 292 Worthington St., plans to build, brick, on Elm St. About $150,000. Architect not selected.

Mass., Worcester—Sales—See "Industrial Works."

R. I., Providence—Theatre and Business—S. Bomes, 71 Farragut Ave., having plans prepared by T. J. H. Pierce, archt., 230 Industrial Trust Bldg., for 1 and 2 story, 100 x 114 ft., brick and terra cotta, rein.-con. flooring, concrete foundation, on Broad and Gallatin Sts. About $50,000.

R. I., Woonsocket—Church—St. Michaels Greek Church, Blackstone St., having plans prepared by W. F. Fontaine, archt., Federal Bldg., for 1 story, brick. About $50,000.

Conn., Bridgeport—Church—L. A. Walsh, engr., 51 Leavenworth St., Waterbury, rejected bids building 50 x 130 ft., brick and steel, on Park Ave., for St. George Lithuanian congregation, Park Ave. and Johnson St. About $50,000. Project postponed until next spring. Noted Aug. 14.

Conn., Bridgeport—Theatre and Business—S. Z. Poli, 24 Church St., New Haven, plans to build brick, concrete and steel, on Main, Congress and Arch Sts., here. About $1,000,000. T. W. Lamb, 644-8th Ave., New York City, archt.

Conn., Bristol—School—City plans to build brick and steel, on Burlington Ave. About $125,000. Architect not selected.

Conn., Meriden—Cottages — Connecticut School for Boys having plans prepared by Ford, Buck & Sheldon, Inc., engrs., 60 Prospect St., Hartford, for 2 dormitory cottages. About $82,000.

Conn., Orange—School—Town plans to build 2 story, 8 room, brick and steel, school, on 1st Ave. and Lamson St. About $100,000. J. A. McLaughlin, 241 Spring St., West Haven, chn. Arcnitect not selected.

Conn., South Manchester—Business—J. Mamacos, 785 Main St., plans to build 3 story brick and steel, on Main St. About $70,000. A. E. Fiske, 67 Bigelow St., archt.

Conn., Trumbull—Schools—Town having plans prepared by F. A. Cooper, archt., 1024 Main St., Bridgeport, for school, in Long Hill Dist and 2 story school in Nichols Dist., both brick. About $50,000 each. H. F. Randall, selectman. Noted Aug. 14.

Conn., Vernon—School—Town plans to remodel high school on School St. About $85,000. Architect not selected.

N. Y., Buffalo — Theatre — Famous Players-Lasky Corp., 485 5th Ave., New York City, plans to build brick, steel and stone, brick foundation, here. About $600,000. De Rosa & Pereira, 110 West 40th St., New York City, archts. and engrs.

N. Y., Lockport—Bank—P. A. Davis, archt., 1713 Sansom St., Phila., soon receives bids building 1 story, 50 x 60 ft. steel and stone, for Natl. Exch. Bank, 45 Main St. About $150,000. Noted July 17.

N. Y., New York—School—Bd. Educ. having plans prepared by C. B. J. Snyder, archt. and engr., Municipal Bldg., for 4 story, 92 x 194 ft. brick and steel, brick foundation, on Bathgate Ave. and 182nd St. About $420,000.

N. Y., New York—Theatre and Office—Famous Players—Lasky Corp., 485 5th Ave., plans to build 200 x 207 ft. brick, steel and stone, brick foundation, on Bway. between 43rd and 44th Sts. About $3,000,000. Architect or engineer not selected

N. J., Asbury Park—Theatre—T. W. Lamb, archt., 644 8th Ave., New York City, receives bids about Sept. 23, for alterations to brick, steel and stone, on Cookman Ave. and St. James Pl., for W. Rosenberg. About $100,000.

N. J., East Paterson—School—A. W. Gall, dist. clk. bd. educ., receives bids about November, building 8 room school in Dundee Lake Sect. About $75,000. Noted Sept. 12, 1918.

N. J., Trenton—Hotel—Stacy-Trent Co., Broad St. Bank Bldg., rejected bids received Sept. 3, building 10 story, rein.-con., brick and steel on West State St. About $1,000,000. Work will be readvertised. Noted Aug. 14.

N. J., Trenton—Theatre—W. J. Vernon, St. Regis Bldg., plans to build 2 story, 100 x 175 ft., brick and steel, on South Broad St. About $150,000. W. W. Slack & Son, St. Regis Bldg., archt.

Pa., Phila.—Bank—J. T. Brugger, archt., 505 Chestnut St., soon lets contract building 3 story, 60 x 75 ft., concrete and stone, on 3rd and Arch Sts., for Union Natl. Bank. About $100,000. Noted July 17.

Pa., Phila.—Store and Office—Marcus Felt Realty Co., 1303 Market St., plans to build 20 story, 75 x 150 ft. brick, steel and terra cotta, on Market and 13th Sts. About $2,500,000. Graham, Anderson, Probst & White, Ry. Exch. Bldg., Chicago, archts.

Pa., Phila.—Theatre—W. H. Lee, archt., 32 South 17th St., soon receives bids building 2 story, 75 x 120 ft. concrete and brick, on 5th and Rockland Sts., for Green & Altman, 2132 Germantown Ave. Cost to exceed $50,000.

Md., Baltimore—Office—G. Ober & Sons Co., U. S. Fidelity & Guaranty Co. Bldg., plans to build 3 story, 30 x 60 ft., brick and stone, stone and concrete foundation, on Lombard and Grant Sts. About $50,000. Parker, Thomas & Rice, 1109 Union Trust Bldg., archts

Md., Baltimore — Sales — Backus Motor Co., 10-20 East North Ave., plans to build 2 story, 100 x 200 ft., brick addition. About $50,000. E. T. Backus, pres.

Md., Baltimore—Sales—I. Silberstein, 607 Equitable Bldg., plans to build 10 story, 140 x 181 ft., rein.-con., steel and brick, rein -con. flooring, concrete foundation, on St. Paul and Pleasant Sts. About $1,000,000. G. R. Callis, Jr., Mellville Ave., Catonsville, archt.

Md., Baltimore—Synagogue—Har Zion congregation plans to build synagogue on West North Ave. near Payson St., probably stone with stone foundation. About $75,000. L. Setten, 4195 Hanover St., and S. B. Waxman, 2410 Elsinor Ave., members bldg. com Architect not selected.

N. C., Hendersonville—Hotel—J. O. Bell and others plan to build hotel. About $100,000. Architect not selected.

Fla., Miami—Depot—Florida East Coast Ry., 10th St., plans to build 40 x 60 ft. depot, here. About $75,000. E. B. Carter, St. Augustine, ch. engr.

Fla., St. Augustine—Auditorium—See "Sewers".

O., Akron—Church—St. Paul's Evangelical congregation having plans prepared by R. H. Hinsdale, archt., Bangor Bldg., Cleveland, for 1 story, steel, stone and brick. About $75,000.

O., Cleveland—Bank—Natl. City Bank, Leader-News Bldg., having plans prepared by Graham, Anderson, Probst & White, engrs., Ry. Exch. Bldg., Chicago, altering 10 story, concrete, steel and brick, on East 6th St. and Euclid Ave. About $75,000.

O., Cleveland—Club and Office—Cleveland Athletic Club, Euclid Ave., plans to build 11 story, 150 x 250 ft., rein.-con., steel, limestone and brick, on Superior Ave. About $500,000. Architect not selected.

O., Cleveland — Commercial—Greenlawn Realty Co., Society for Savings Bldg., plans to build 8 story, 100 x 200 ft., rein.-con., steel and brick, at 3208 Prospect Ave. About $500,000. Architect not selected.

O., Cleveland—Commercial—G. W. Hale, Leader News Bldg., plans to build 6 story, 95 x 300 ft., rein.-con., steel and brick, on East 9th St. and Prospect Ave. About $125,000. Architect not selected.

O., Cleveland — Commercial — Hampton Keller Co., Swetland Bldg., plans to build 9 story, 100 x 100 ft., rein.-con., steel and brick, at 10017 Euclid Ave. About $125,000. Architect not selected.

O., Cleveland—Commercial—Hinning Furniture Co., St. Clair Ave., plans to build 3 story, 79 x 84 ft., rein.-con., steel and brick. About $75,000. Architect not selected.

O., Cleveland—Commercial—L. W. Kelley, Hickox Bldg., plans to build 10 story, 148 x 220 ft., rein.-con., steel, terra cotta and brick, at 2425 Euclid Ave. About $300,000. Architect not selected.

O., Cleveland—Commercial—E. D. Latimer, 12037 Lake Ave., plans to build 7 story, 120 x 200 ft., rein.-con., steel and brick, on East 50th St. and Prospect Ave. About $200,000. Architect not selected.

O., Cleveland—Commercial—F. C. Newcomer, Citizens Bldg., plans to build 6 story, 100 x 125 ft., rein-con., steel and brick, on 86th St. and Euclid Ave. About $100,000. Architect not selected.

O., Cleveland — Commercial — Petrequin Paper Co., West 3rd St., plans to build 4 story, 120 x 200 ft., rein.-con., steel and brick, on East 48th St. and Prospect Ave. About $120,000. Architect not selected

Buildings (Continued)

O., Cleveland — Commercial — Prame Realty Co., Williamson Bldg., plans to build 8 story, 100 x 200 ft., rein.-con., steel and brick, on Prospect Ave. About $500,000. Architect not selected.

O., Cleveland — Hospital — Huron Rd. Hospital Assn., Huron Rd., plans to build 5 story, 150 x 190 ft., rein.-con., steel and brick, on Ansel Rd. About $500,000. Architect not selected.

O., Cleveland—Hospital—Lakeside Hospital Assn., East 12th St. and Lakeside Ave. plans to build 12 story, 200 x 350 ft., rein.-con., steel and brick, on University Circle. About $2,000,000. Architect not selected.

O., Cleveland—Hotel—L. W. Kelley, Hickox Bldg., plans to build 6 story, 80 x 200 ft., rein.-con., steel and brick, on Euclid Ave. About $100,000. Architect not selected.

O., Cleveland—Loft—Paudett Investment Co., Citizens Bldg., plans to build 6 story, x 122 ft., rein.-con., steel and brick, at 1825 East 18th St. About $125,000. Architect not selected.

O., Cleveland—Office—Altamont Realty Co., Williamson Bldg., plans to build 6 story, 99 x 125 ft., rein.-con., steel, terra cotta and brick, at 1730 East 12th St. About $350,000. Architect not selected.

O., Cleveland — Office—See "Industrial Works."

O., Cleveland—Office—A. L. Newman, 647 Euclid Ave., plans to build 1 story, 70 x 100 ft., rein.-con., steel and brick addition, at 1126 Euclid Ave. About $60,000. Architect not selected.

O., Cleveland—Office—Willard Storage Battery Co., 246 East 131st St., having plans prepared by H. H. Aldrich, archt., c/o owner, for 2 story, 50 x 104 ft., rein.-con., steel and brick addition. About $60,000.

O., Cleveland—Sales Room—See "Industrial Works."

O., Cleveland—Sales—Kelley Springfield Tire Co., Prospect Ave., leased 90 x 200 ft. site on East 46th St. and Prospect Ave., and plans to build 5 story, rein.-con., steel and brick. About $100,000. Architect not selected.

O., Cleveland—Studio—J. N. Ackerman, Engineer's Bldg., plans to build 1 story, 100 x 500 ft., rein.-con., steel and brick, on West 25th St. About $500,000. Architect not selected.

O., Cleveland Heights (Warrensville P. O.)—Theatre—Israel & Makoff, 3533 Woodland Ave., plans to build 6 story, 100 x 150 ft., rein.-con., steel and brick, on Euclid Blvd. About $175,000. Architect not selected.

O., Massillon — Commercial—Bloomberg Clothing Co. having plans prepared by Albrecht, Wilhelm & Kelley, archts., 1836 Euclid Ave., Cleveland, for 3 story, 46 x 167 ft., rein.-con., steel and brick, on East Main St. About $75,000.

O., Mount Vernon—Office—See "Industrial Works."

O., Norwalk—Bank and Office—Citizens Natl. Bank plans to raze present structure and build 5 story, 50 x 115 ft., rein.-con., brick and stone, concrete foundation. About $175,000. Mills & Millspaugh, 67 East Long St., Columbus, archts.

O., Richwood—Church—Baptist Church Society plans to build 64 x 82 ft., rein-con. and brick, concrete foundation. About $50,000, cost plus percentage basis. E. E. Pruitt, Comstock Bldg., Columbus, archt.

O., Wilmington—Bank—First Natl. Bank plans to construct modern banking building. About $85,000.

Ind., Indianapolis—Theatre and Office—Loew's Enterprises, 1492 Bway., New York City, having preliminary plans prepared by T. W. Lamb, archt., 644 8th Ave., New York City, building 2 story, 100 x 175 ft., brick, steel and stone, brick foundation, here. About $300,000.

Mich., Bay City—Office and Store Room —See "Industrial Works."

Mich., Detroit—Schools—Bd. Educ. soon lets contracts building Angell School, 2 story, 83 x 93 ft., rein.-con., brick and steel rein.-con. flooring, concrete foundation on Holmer Ave., between Maidstone and Euclid Aves.; Trowbridge School 2 story, 58 x 112 ft., rein.-con., brick and steel, rein.-con.-flooring, concrete foundation on Forest Ave. near St. Antoine St., cost, $200,000; Carstens School, 2 story, 44 x 168 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Coplin Ave. near Charlevoix Ave.; Davison Annex, 2 story, 80 x 80 ft. frame, concrete foundation, on Davison and Joseph Campau Aves. $25,000; Clippert School, 1 and 2 story, 34 x 102 ft., frame, concrete foundation, on Martin St. near Michigan Ave., $25,000. Malcolmson & Higginbotham, 404 Moffat Bldg., archts.

Ill., Chicago — Office — Reliance State Bank, 1551 West Madison St., having plans prepared by Weary & Alford, archts., 1732 South Michigan Ave., for altering 1st floor of 50 x 165 ft. building, on Ogden Ave and Madison St. About $100,000.

Ill., Chicago—Offices — See "Industrial Works."

Ill., Chicago—Club—E. P. Rupert, archt., 154 West Randolph St., soon receives bids building 4 story, 60 x 120 ft., on south side, for B. P. O. Elks, c/o architect. About $125,000.

Ill., Joliet—Synagogue—D. S. Klafter, archt., 64 West Randolph St., Chicago, soon receives bids building 1 story, 60 x 100 ft. brick and timber, concrete foundation, on Lincoln St., for Bnai Jacob congregation. About $100,000.

Wis., Holy Hill (Hartford)—Monastery—Carmelite Brothers having plans prepared by Brust & Philipp, archts. and engrs., Free Press Bldg., Milwaukee, for 3 story, 60 x 210 ft. brick, steel, rein.-con. and tile, brick foundation. About $60,000.

Wis., Marshfield — Bank — First Natl. Bank plans to build 2 story, 50 x 100 ft. brick and stone. About $100,000. Architect not selected.

Wis., Thorpe—School—Bd. Educ. having plans prepared by W. L. Alban, archt., 347 Endicott Bldg., St. Paul, Minn., for 2 story, 63 x 82 ft. About $50,000.

Ia., Creston—School—Bd. Educ. having plans prepared by W. Gordon, archt., Hubbell Bldg., Des Moines, for 2 story, 52 x 81 ft., concrete, steel and brick, concrete foundation. About $50,000.

Ia., Davenport—Temple—Masonic Lodge plans to build 8 story, 150 x 200 ft., on 7th and Main Sts. About $800,000. Clausen & Kruse, 316 Central Office Bldg., archts.

Ia., Glidden—School—Bd. Educ. having plans prepared by W. Gordon, archt., 319 Hubbell Bldg., Des Moines, for 2 story, 52 x 81 ft. concrete, steel and brick, concrete foundation. About $50,000.

Ia., Spencer—School—Bd. Educ. Lake Twp. having plans prepared by W. Gordon, archt., 319 Hubbell Bldg., Des Moines, for 2 story, concrete, steel and brick. About $50,000.

Kan., Atchison—School—Bd. Educ. having plans prepared by W. H. Saylor & Co., Kansas City, Mo., for 3 story, 78 x 121 ft., rein.-con., steel and brick, rein.-con. flooring, concrete foundation, to be known as Roosevelt School. About $75,000.

Kan., Caney—Church—First Methodist Episcopal Church having plans prepared by F. F. Fletcher, archt., Independence, Mo., building 1 story concrete, steel and brick, concrete foundation. About $55,000.

Kan., Lyndon—Court House—Osage Co. rejected bids received Sept. 4, building 3 story, 84 x 100 ft. rein.-con., steel and brick, rein.-con. flooring, rock and concrete foundation. Work will be readvertised. W. E. Hulse & Co., Hutchinson, archts. Noted Aug. 21.

N. D., Grand Forks—Hotel—F. Parsons, 825 Belmont Ave., L. J. Bemis and E. J. Stuart, plan to build hotel here. About $500,000.

Mont., Deer Lodge—Court House—Powell Co. voted $10,000 bonds to build court house. H. B. Hertz, Jr., co. clk. Architect not selected. Noted June 26.

Mo., Rockport—Memorial—Atchison Co. having revised plans prepared and soon receives bids building 2 story, 68 x 110 ft., rein.-con., steel and brick, concrete foundation, here. About $60,000. J. O. Hogg, New York Life Bldg., Kansas City, archt.

Mo., St. Louis—Church—Labadie Presbyterian congregation acquired 80 x 150 ft. site on Labadia Ave. and plans to build rock and brick church. About $60,000. Architect not selected.

Mo., St. Louis—High School—Blessed Sacrament congregation plans to build high school. About $75,000 available for project. P. H. Bradley, King's Highway and Northland Ave., pastor. Architect not selected.

Mo., St. Louis—Hotel—C. Levy Realty & Bldg. Co., c/o C. Levy, Hub Furniture Co., 9th and Washington Sts., plans to build 12 story, concrete, steel and brick, to be known as Hotel Claridge. About $1,000,000. Architect to be announced later.

Tex., San Angelo—Hotel—J. W. White, Mason, plans to build 8 story hotel, on Chadbourne and Concho Sts., here. About $300,000.

Tex., San Antonio — Home — Salvation Army, 805 Ave. D., plans to build rescue home, brick. About $100,000.

Okla., Ardmore—Post—Salvation Army plans to construct army post building on Main St. About $50,000.

HIGHWAY—ARIZONA

Bids were received by State Highway Department, Phoenix, (lowest 3) for constructing Tempe-Mesa Highway, Federal Aid Project No 8, from (A) McElrath & Shumway, Mesa; (B) G. R. Curtis, 2440 East 26th St., Los Angeles, Cal.; (C) Southwestern Contg. Co., 13th and Lincoln Aves. The unit bids were as follows:

	A	B	C
1,654 cu.yd. excavation (unclassified)	$2.00	$0.90	$2.00
15,936 sq.yd. concrete pavement	1.54	1.65	1.56 *a*=$24,860.16
15,936 sq.yd. bitulithic pavement on concrete base			
Informal { 5-in. concrete base—2-in. bitulithic top)			1.95 *b*= 34,705.70
Informal { 4-in. concrete base—2-in. bitulithic top)			1.85 *c*= 33,112.10
15,936 sq.yd. bitulithic pavement on asphaltic concrete base			
20 cu.yd. Class "A" concrete (headwalls, etc.)	17.00	12.00	15.00
750 lb. reinforcing steel	.03	.05	.03
Cost of cement and reinforcing steel (to be furnished by State)			*a*=$13,043.25—Concrete *b*= 7,012.15—5-2 *c*= 5,628.50—4-2
Totals—Informal			*a*=$41,533.91—Concrete *b*= 45,397.10—5-2 *c*= 42,419.95—4-2
18,750 cu.yd. excavation (unclassified)	1.00	.90	.98
990 cu.yd. caliche (for shoulders)	2.00	1.00	2.40
58,744 sq.yd. concrete pavement	1.54	1.65	1.56 *a*=$91,640.64
58,744 sq.yd. bitulithic pavement on concrete base			
Informal { 5-in. concrete base—2-in. bitulithic top)			2.22 *b*=130,411.68
Informal { 4-in. concrete base—2-in. bitulithic top)			2.12 *c*=124,537.28
58,744 sq.yd. bitulithic pavement on asphaltic concrete base			
238 lin.ft. 18-in. concrete pipe culvert, standard sec. "B"	1.30	2.00	2.88
52 lin.ft. 24-in. concrete pipe culvert, standard Sec. "B"	2.00	3.00	5.04
169 lin.ft. 30-in. concrete pipe culvert, standard Sec. "B"	3.40	3.60	6.78
114 lin.ft., 36-in. concrete pipe culvert, standard Sec. "B"	4.00	4.00	8.16
16 lin. ft. 48-in. concrete pipe culvert, standard Sec. "B"	4.50	5.00	10.00
55 lin.ft. 24-in. corrugated metal pipe culvert (R.R. crossing)	6.00	3.00	5.04
127 cu.yd. Class "A" concrete (headwalls, etc.)	17.00	12.00	20.00
Cost of cement (to be furnished by State)			*a*=$47,556.95—Concrete *b*= 26,567.70—5-2 *c*= 21,467.15—4-2
Extended totals	$162,757	$165,815	*a*=$165,949.37—Concrete *b*= 183,731.16—5-2 *c*= 172,756.21—4-2

Buildings (Continued)

Okla., Bristow—Church and Parsonage—Christain congregation has acquired site on 6th St. and plans to build church and parsonage. About $120,000. R. V. Vesey, pastor.

Okla., Cherokee—School—Bd. Educ. having plans prepared by Mann & Gerow, archts., Hutchinson, Kan., building 2 story concrete, steel and brick, concrete foundation. About $60,000.

Okla., Muskogee—High School—Bd. of Educ. having plans prepared by H. O. Valeur & Co., archts., 705 Phoenix Bldg., building 3 story, 100 x 120 ft., rein.-con., steel and brick Junior High School, rein.-con. flooring, concrete foundation. About $230,000.

Okla., Oklahoma—High Schools—City had plans prepared by Layton, Smith & Forsyth, archts. and engrs., 701 Major Bldg., for one 3 story and two 2 story, 140 x 358 ft., brick and stone high schools. About $165,000 each.

Okla., Oklahoma—Home—Elks plan to build new home. About $125,000. Architect not selected.

Okla., Tecumseh—School—State Bd. Pub. Affairs, Oklahoma, plans to build industrial school here for girls. About $185,000. Architect not selected.

Okla., Tulsa—High School—Bd. Educ. having plans prepared by G. Winkler, archt., 414 Palace Bldg., 3 story, 125 x 260 ft., rein.-con., steel and brick, rein.-con. flooring, rock foundation. About $350,000. Hedrick & Huff, Kansas City, Mo., engrs.

Idaho, Boise—Capitol—State Comn. Pub. Wks. soon lets contract building east and west wings to Capitol, 2 story, cut stone. About $900,000 available. Tourtellotte & Hummel, 215 Overland Bldg., archts.

Idaho, Lewistown—Business—J. A. Johnson plans to build 3 story, 76 x 20 ft., brick, brick and concrete foundation, on Main St. About $135,000. Architect not selected.

Idaho, Nampa—Dormitory and Sanitorium—Nazarene College plans to build 2 or 3 story brick. About $50,000. Architect not selected.

Ariz., Phoenix — Hotel — J. W. Walker having plans prepared by L. M. Fitzhugh, archt., 210 Noll Bldg., for 4 story, 56 x 138 ft., rein.-con.

Wash., Chehalis—Store—L. Proffitt plans to build 2 or 3 story, 40 x 58 ft., brick, brick foundation, on Chehalis Ave. About $50,000. Architect not selected.

Wash., Seattle—School—Bd. Educ. plans to build 2 story, 42 x 162 ft., concrete and brick addition to Greenwood School, on 3rd Ave. N. W. and 80th St. About $125,000. F. A. Naramore, care of School Bd., archt.

Wash., Toppenish — Church — Methodist congregation having plans prepared by J. Vogel, archt., Seattle, for 2 story, brick or stone, concrete foundation, to include gymnasium, etc. About $50,000.

Wash., Yakima—Theatre—J. C. Von Herberg and associates, Seattle, plan to build 1 story, concrete or stone, here. About $200,000. Archt. to be announced later.

Ore., Baker — Mercantile — Basche-Sage Hardware Co. having plans prepared by H. W. Bond, archt., Baker, for 2 story, 100 x 200 ft. brick or concrete, concrete foundation, on Main and Center Sts. About $125,000.

Ore., Condon—School—School Dist. No. 25 having preliminary plans prepared for 2 story brick or stone. Special election soon to vote on $55,000 bonds for project.

Ore., Freewater—Bank—First Natl. Bank plans to build 1 story, 50 x 70 ft., brick and terra cotta. About $50,000. P. T. Ainge, Freewater, designer.

Ore., Portland—Natatorium—J. M. Rieg Gerlinger Bldg., plans to build 1 story brick or concrete, concrete foundation, on Columbia Beach, to include 75 x 150 ft. tank, 1000 lockers, convertible floors auditorium, glass sun room, etc. About $55,000. Private plans.

Ore., Portland—Office—M. Pallay, Garden Home, plans to build 2 or 3 story, 100 x 120 ft. brick or concrete, on 15th and Alder Sts. About $50,000. Archt. not selected.

Cal., Bakersfield—Store—Conklin-Brodek Estate, care of O. Clark, archt., Bakersfield, having plans prepared for 3 story, 115 x 132 ft., rein-con., brick and terra cotta, rein.-con. flooring, concrete foundation, on 20th and Chester Sts. About $100,000. Hochheimer & Co., lessee.

Cal., Fullerton—Lodge—Masonic Temple Assn. having plans prepared by F. Benchley, archt., Fullerton, for brick, on Spadra and Chapman Aves. About $60,000. Noted Aug. 14.

Cal., Los Angeles—Sales—J. A. Graves, care of Morgan Wal's & Morgan, archts., 1124 Van Nuys Bldg., plans to build 2 story, 100 x 150 ft., rein.-con., rein.-con. flooring, concrete foundation, on Figueroa St. Maxwell-Hoffman Co., 10th St. and Grand Ave., lessee.

Cal., Pasadena—Administration—See "Industrial Work."

Cal., San Francisco—Store and Loft—Rousseau & Rousseau, archts., 110 Sutter St., soon receive bids building 2 story, 60 x 135 ft., brick, concrete foundation, on Sutter St., for Dunn, Williams & Co., Crocker Bldg. About $65,000. E. Curtiss, 314 Sutter St., lessee.

Que., Granby—Hospice—Sisters of Congregation of Grey Nuns, Marieville, having plans prepared and soon receive bids building 3 story, 40 x 100 ft., on Notre Dame St. here. About $62,000. Private plans.

Ont., Windsor—School—Bd. Educ. La Belle Bldg., receives bids about Sept. 24, building 3 story, 215 x 230 ft. rein.-con. and brick, rein.-con. flooring, concrete foundation, on Giles Blvd. About $200 000. A. H. McPhail, Bd. Trade Bldg., archt. Noted July 10.

BIDS DESIRED

Mass., Belchertown — Dormitory — Until Sept. 29, by Massachusetts Comn. on Mental Diseases, Boston, building 2 story, 64 x 89 ft. dormitory and 3 story, 88 x 103 ft. power house, rein.-con. and terra cotta, rein.-con. flooring, concrete foundation, on State grounds, also 1325 ft. concrete tunnels, for Massachusetts State Hospital, here. Noted Feb. 6.

Mass., Worcester—School—Until Sept. 26, by Trustees of Independent Industrial Schools, c/o Frost & Chamberlain, archts., 390 Main St., building trade school for girls, on High St., 3 story, 90 x 145 ft., brick, concrete foundation. About $175,000. Noted Aug. 28.

Conn., Bridgeport—Police Station—Until Sept. 22, by Bd. Police Comrs., building station and garage, on Barnum Ave. and Caroline St., 2 story, 55 x 75 ft. brick, steel and concrete, rein.-con. flooring, concrete foundation. About $60,000. W. J. Skinner, 1188 Main St., archt. Noted July 24.

Conn., Manchester—Fire Station—Until Sept. 20, by town, building 2 story, brick, concrete and steel, rein.-con. flooring, concrete foundation, on Main and Hillard Sts. About $50 000. A. E. Fiske, 67 Bigelow St., archt. Noted June 26.

Conn., Redding—Museum—Until Sept. 25, by Sunderland & Watson, archts., 248 Main St., Danbury, for 1 story brick and concrete building, rein-con. flooring, concrete foundation, on Putnam Park, for Israel Putnam Memorial Camp Ground Comn. About $50,000.

Conn., Willimantic — Dormitory — Until Sept. 22, by State Bd. Educ., and W. H. Brooks, archt., Lewis and Gold Sts., both of Hartford, building 3 story, 46 x 114 ft. with 30 x 46 ft. ell, brick, steel and concrete, rein.-con. flooring, concrete and brick foundation, on Valley St., for State Normal School, here. About $150,000. Noted July 24.

N. Y., New York—Theatre—Until Sept. 22, by De Rosa & Pereira, archts. and engrs., 110 West 40th St., building brick and steel, brick foundation, on 9th Ave. and 45th St., for Consolidated Amusement Enterprises, 2139 8th Ave. About $75,000. Noted Sept. 4.

Pa., Phila.—Bank—P. A. Davis, archt., 1713 Sansom St., receiving bids building 1 story, 37 x 65 ft., brick and marble, on Diamond and Broad Sts., for Broad St. Bank. Cost to exceed $50,000.

N. C., Brevard—Jail and Court House—Until Oct. 3, by C. K. Osborne, clk. Transylvania Co., building new 3 story, jail and addition to court house. About $150,000 T. E. Davis, Asheville, archt.

Ala., Bessemer—Exchange—Until Sept. 23, by Southern Bell Telephone & Telegraph Co., 78 South Pryor St., Atlanta, building 2 story, 50 x 50 ft., concrete, steel and stone, on 4th Ave between 18th and 19th Sts., here. About $75,000.

O., Akron—School—J. R. Graham, archt., 422 Union Bldg., Cleveland, receiving bids building 1 story, 78 x 180 ft., rein.-con., steel, terra cotta and brick, on East Talmadge Ave., for St. Martha's. About $75,000.

O., Cleveland—Church—H. [illegible] Maurer, archt., Schofield Bldg., receiving bids building 3 story, 38 x 95 ft., rein.-con., steel and brick, on Hayden Ave., for 4th United Church. About $50,000.

O., Cleveland—Library—Cleveland Pub. Library Assn., 1375 Euclid Ave., receiving bids building 8 story, 200 x 400 ft., rein.-con., steel, brick, stone and granite, on East 3rd St. and Superior Ave. About $3 000,000. Walker & Weeks, 1900 Euclid Ave., archts.

O., Cleveland—Observatory—Walker & Weeks, engrs., 1900 Euclid Ave., receiving bids building 3 story, 45 x 60 ft., rein.-con., steel and brick for Warner & Swasey Co., Taylor Rd. About $50,000.

O., Hudson—School—J. W. Corbusier, archt., Lenox Bldg., Cleveland, receiving bids building 2 story, 40 x 56 ft., brick and timber, on Elk St., for Hudson Congregational Church. About $50,000.

O., Independence—School—W. H. Nicklas, archt., 1900 Euclid Ave., Cleveland, receiving bids building 2 story, 90 x 100 ft., rein.-con., steel and brick, on Broadview Rd., for Bd. Educ. About $75,000.

O., Steubenville—Bank—Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, receiving bids building 12 story, 56 x 60 ft. rein.-con., steel and brick, on 4th and Market Sts., for Steubenville Bank & Trust Co. About $75,000. Noted Aug. 14.

O., Tiffin — Bank — Walker & Weeks, archts., 1900 Euclid Ave., Cleveland, receiving bids building 2 story, 50 x 100 ft., rein.-con., steel, stone and brick, on Washington St., for Tiffin Natl. Bank. About $60,000. Noted Aug. 7.

Mich., Charlevoix—Jail—Until Sept. 25, by Bd. Supervs. Charlevoix Co., building 2 story, 38 x 62 ft., rein. con., brick and steel, concrete foundation. About $50,000. A. E. Munger, Bay City, archt.

Mich., Detroit—Administration—A. Kahn, archt., Marquette Bldg., receiving bids building 2 story, 60 x 100 ft., rein.-con. brick and steel, rein.-con. flooring, concrete foundation, on Wyoming and West Warren Aves., for Detroit Seamless Steel Tube Co., 841 Jefferson Ave., W. About $70,000.

Mich., Detroit—Home—A. Kahn, archt., Marquette Bldg., receiving bids building nurses home, 6 story, 115 x 154 ft. rein.-con., brick and stone, rein.-con. flooring, concrete foundation, at Harper Hospital, on John R St. About $350,000. Noted June 12.

Mich., Detroit—Office—A. Kahn, archt., Marquette Bldg., receiving bids for 1 and 2 story, 50 x 123 and 23 x 30 ft., rein.-con. and steel, rein.-con. flooring, concrete foundation, on Vancouver Ave., for Holley Carburetor Co., Vancouver Ave. About $50,000.

Wis., Clintonville—Bank—Until Sept. 27, by Foeller & Schober, archts., 123 North Washington St., Green Bay, building 2 story, 60 x 120 ft., brick, rein.-con. and steel, brick foundation, for 1st Nat'l Bank. About $50,000.

Wis., Hartford—Hospital—Until Sept. 22, by Hartford General Hospital, building 3 story, 38 x 150 ft. brick and rein.-con., rein-con. flooring brick foundation, on Main St. About $50,000. Private plans.

Ia., Ankeny—High School—Until Sept. 29, by Bd. Educ., building 2 story, 75 x 118 ft., rein.-con. and timber, rock and concrete foundation. About $60,000. W. Gordon, 319 Hubbell Bldg., Des Moines, archt.

Minn., Balaton—School—Until Sept. 22, by Bd. Educ., building 2 story, 64 x 86 ft., brick. About $75,000. J. W. Carlaw, clk. C. H. Parson, 600 Builders Exch., Minneapolis, archts. Noted Aug. 28.

Minn., Minneapolis—Hotel and Business—B. N. Schneider, 232 Plymouth Bldg., receiving bids building 6 story, 122 x 178 ft., concrete, hollow tile and brick, on Franklin and Colfax Sts. About $800,000. F. Van Antwerp, 240 La Salle Bldg., archt. and engr.

Kan., Wichita—Auditorium, Dormitory, etc.—Until Oct. 1, by Sisters of Charity, building 2 story, 47 x 90 ft. auditorium, 1 story, 36 x 144 ft. dormitory and 2 story, 47 x 90 ft., chapel, rein.-con. and brick, rein.-con. flooring, concrete foundation. About $250,000. White & Dean, 301 Bellefontaine Ave., Kansas City, Mo., archts.

N. D., Ashley—Courthouse—Until Oct. 17, by J. Hildenbrand, aud. McIntosh Co., building 2 story, 56 x 75 ft., rein.-con. About $75,000. Buechner & Orth, 500 Shubert Bldg., St. Paul, Minn., archts.

Mo., Brookfield—School—Until Sept. 25, by Bd. Educ., building 2 story, rein.-con., steel and brick rein.-con. flooring, rock foundation. About $80,000. M. S. Martin, Hannibal, archt.

Buildings (Continued)

Mo., St. Joseph—Sunday School—First Presbyterian congregation receiving bids building 3 story, 42 x 55 ft., rein.-con., steel and brick, rein.-con. flooring, concrete and rock foundation, on 7th and Faron Sts. About $60,000. Echel & Aldrich, Corby Bldg., archts. Noted Aug. 7.

Okla., Cherokee—High School—Until Oct. 10, by Comrs. Alfalfa Co., building 3 story, 60 x 140 ft., on Main St. About $60,000. Mann & Gerow, Hutchinson, Kan., archts. and engrs.

Ont., Windsor—Mercantile—A. H. McPhail, archt., Bd. Trade Bldgs., receiving bids building 6 story 30 x 120 ft., rein.-con., brick and steel, rein.-con. flooring, concrete foundation, on Ouelette Ave. for C. H. Smith Co., Pitt St. About $100,000.

PRCIES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Conn., Waterbury**—Bank and Office—Morris Plan Co., 68 Center St., let contract building 3 story, brick and concrete, rein.-con. flooring, concrete foundation, on Grand St., to Tracy Bros. Co., 52 Benedict St. About $50,000. Noted Sept. 11.

★**Conn., West Hartford** (Hartford P. O.)—Hotel—Sleeper & Parisi, 26 State St., Hartford, will build two 6 story, 70 x 180 ft., brick, steel and concrete, rein.-con. flooring, concrete foundation, on Whiting Lane and Arnoldale Rd. About $325,000. Work will be done by day labor.

N. Y., Kings Park—Hospital—State Hospital Comn., Capitol, Albany, received bids Sept. 10, building hospital for acute patients, at Kings Park State Hospital here, (general contract) from M. Kantrowitz, 20½ Market St., Albany, $277,700, P. J. Carlin Constr. Co., 1123 Bway., New York City, $330,000, W. Moore & Co., 347 Madison Ave., New York City, $357,646; heating, from A. B. Barr & Co., 6 River St., Yonkers, $21,800, Adams-Britz & Co., Inc., 1769 Park Ave., New York City, $21,900. E. Rutzler Co., 404 East 49th St., New York City, $22,327; plumbing, from W. B. Armstrong Co., 3 Fulton St., Albany, $31,600, C. H. Darmstadt, 352 West 43rd St., New York City, $31,942, T. E. O'Brien, 6311-5th Ave., Brooklyn, $37,447. Noted Aug. 28.

★**N. Y., New York**—Clubhouse—Chinese Merchants Assn., c/o W. Rahmans Sons, archts. and engrs., 126 Cedar St., will build 6 story, 25 x 84 ft. brick, steel and stone, brick foundation, at 41 Mott St. About $70,000. Work will be done by day labor under supervision of architects.

N. Y., Troy—Armory—W. W. Ward, secy. state bd. armory comrs., 158 State St., Albany, received bids Sept. 4 furnishing labor and materials for building state armory here, from C. Crowley Co., 114 3rd St., $339,400; P. Keeler Bldg. Co., 425 Orange St., Albany, $379,140; M. Kantrowitz, 20½ Market St., Albany, $367,800. Noted Aug. 21.

★**Md., Baltimore**—Dormitory and Swimming Pool—St. Mary's Industrial School, Wilkens and Caton Aves., let contract building 4 story, 63 x 131 ft., rein.-con., stone and brick dormitory, stone and concrete foundation, and 30 x 75 ft., concrete swimming pool, to Price Constr. Co., 210 Maryland Trust Bldg. About $200,000. Noted July 10.

★**Va., Richmond**—Bank—First Natl. Bank, 9th and Main Sts., let contract building 4 story, brick, steel and stone, brick foundation, to J. T. Wilson, Mutual Bldg. About $75,000. Noted July 3.

★**Fla., Jacksonville**—Office—E. L. Hill Realty Co., 221 West Forsyth Ave., let contract building 6 or 7 story, 78 x 105 ft. rein.-con. and brick, to W. D. Gerbrich Co., 221 West Forsyth Ave. About $75,000.

★**O., Cleveland**—Office—Paul Bros., Citizens Bldg., let contract building 11 story, 56 x 134 ft., rein.-con., steel and brick, on East 6th St. and Vincent Ave., to Minnick Gibbons Co., Prospect Ave. About $750,000. Noted May 1.

★**O., Dayton**—Theatre—J. Seifert, South Jefferson St., let contract extending and remodeling Majestic Theatre, 2 story, to Nolan & Lester, City Natl. Bank. About $50,000. Noted Sept. 11.

★**O., Fletcher**—School—Bd. Educ., Brown Twp., let contract building 2 story, 70 x 110 ft., rein.-con. and brick, concrete foundation, to Knowlton Bros., Phillipsburg. About $70,000. Noted Aug. 21.

★**O., Lima**—Hotel—Cooperative Hotel Co. will build 10 story, 54 x 100 ft., steel, concrete, stone, terra cotta and brick. About $250,000. Work will be done by day labor.

★**O., West Park**—High School—Bd. Educ. let contract building 2 story, 90 x 90 ft., rein.-con., steel and brick, on Riverside Ave., to C. Peterson, Engineer's Bldg., Cleveland. About $60,000. Noted July 17.

★**Mich., Detroit**—Hospital—Grace Hospital, 277 West Grand Blvd., let contract building 3 story, 35 x 70 ft., rein.-con., brick and steel, rein.-con. and wood flooring, concrete foundation, on West Grand Blvd. and Lafayette St., to O. Misch Co., 831 Chamber of Commerce. About $60,000.

★**Mich., Pontiac**—Schools—Bd. Educ. let contract to W. H. Isgrigg & Son, Pontiac, building 10 room additions to McConnell and Baldwin Schools, rein.-con., brick and steel, concrete foundations, $119,000 and $110,000 respectively.

★**Ill., Chicago**—Bank—C. Hatzfield, archt., South Dearborn St., let masonry contract to A. V. Dacgling, 9000 Houston Ave., for 2 story, 35 x 90 ft. brick and terra cotta, concrete foundation, on 101st St. and Ewing Ave., for East Side Trust & Savings Bank, c/o architect. About $60,000. Noted Aug. 28.

★**Kan., Lorraine**—School—Bd. Educ. let contract building 2 story, 68 x 87 ft. rein.-con., steel and brick, concrete foundation, to Wichita Constr. Co., Wichita. About $51,000. Noted July 19.

★**Kan., Manhattan**—Engineering—State Bd. of Administration, Topeka, let contract building 3 story, 22 x 56 ft., and 50 x 112 ft., rein.-con., rein.-con. flooring, rock and concrete foundation, to J. M. Leeper, State House, Topeka, $168,662. Noted Sept. 4.

★**Neb., Valparaiso**—School—Bd. Educ. let contract building 1 story, 85 x 155 ft. rein. con., steel and brick, rein con. flooring, concrete foundation, to H. Ohlson & Sons Co., David City, $60,682. Noted Aug. 7.

★**Mo., St. Louis**—Store—Gubinsky Bros., Arcade Bldg., let contract building 2 story, 60 x 120 ft., also 3 story 75 x 120 ft., brick, steel and concrete, on Biddle St., to Herman Bldg. Co., 3800 Hartford St. About $50,000.

★**Okla., Alva**—Gymnasium—State Bd. Affairs, Oklahoma, let contract building 1 story, 71 x 180 ft., rein.-con., steel and brick, rein.-con. flooring, rock and concrete foundation, here, to Kreipke-Schaffer, El Reno, 15,600.

★**Okla., Claremore**—High School—City let contract building 3 story, 70 x 135 ft., brick and concrete, on Main St., to R. D. Pollard, Main St. About $95,000.

★**Okla., Oklahoma**—Church—First Church Christ, Scientist, let contract building 2 story, 90 x 100 ft., rein.-con., steel and brick, rock and concrete foundation, to E. P. Boyd, 1509 North McKinley St. Cost plus percentage basis. Noted Aug. 21.

★**Okla., Okmulgee**—Theatre—S. H. D. Cook let contract building 3 story, 52 x 141 ft., rein.-con., steel and brick, concrete foundation, to R. P. McClure Constr. Co., Kansas City, Mo. About $92,500. Noted Aug. 21.

★**Ore., Oregon City**—Hotel—J. Supple, 331 6th St., Portland, let contract building 3 story, 25 x 100 ft. rein.-con., concrete foundation, on Main and 4th Sts., to F. McIntosh, Oregon City. About $75,000.

Cal., Long Beach—School—Bd. Educ. received bids building 2 story, brick, concrete foundation, on American Ave., from J. D. Scherer, 1400 Elm St., $206,647; C. T. McGrew, 1340 Ocean Ave., $220,806; E. C. English, Long Beach, $232,500. Noted Jan. 30.

★**Cal., Los Angeles**—Studio—J. D. Hampton Productions Co., Hollywood, let contract to Milwaukee Bldg. Co., 316 Wright & Callender Bldg., building motion picture studio, on La Brea Ave. and Santa Monica Blvd., to consist of 50 x 220 ft. property room, 40 x 150 ft. office and three 120 x 120 ft. stages. About $250,000.

★**Cal., Los Angeles**—Studio—Paul Studios, Inc., Hollywood, let contract to E. Fossler, 6434 Hollywood Blvd., building motion picture studio on 20 acre site on Melrose and Crescent Aves. to consist of group of buildings to accommodate 30 producing companies, and central plant to serve all companies, including laboratories, one 100 x 480 ft. stage and three 100 x 350 ft. stages, etc. About $1,500,000 including equipment.

★**Cal., Los Angeles**—Studio—W. N. Selig let contract building picture producing plant to include offices, laboratory, dressing rooms, stages, etc., to Milwaukee Bldg. Co., 316 Wright and Callender Bldg. About $150,000. L. B. Mayer, lessee.

★**Cal., Pasadena**—Theatre—Pasadena Theatre Co., 67 North Raymond Ave., let contract building, 103 x 175 ft., rein.-con., on Raymond Ave., to W. C. Crowell, 440 Chamber of Commerce Bldg. About $200,000.

★**Cal., San Francisco**—Store—Imperial Realty Co., 709 Mission St., let contract building 6 story, rein.-con., on Geary St., to Barrett & Hilp, Sharon Bldg., about $150,000. Livingston Co., lessees.

★**N. B., St. John**—Nurses Home—Municipal Council let general contract building 3 story, 62 x 110 ft. addition to nurses home, at Genl. Pub. Hospital, to B. Mooney & Son, St. John, $143,368; plumbing and heating, to R. E. Fitzgerald, St. John, $15,780.

★**Ont., St. Catharines**—Schools—Bd. Educ. let contracts building two 2 story, brick, steel and concrete, concrete foundations, to W. W. Park, 49 Queen St., and F. C. Monk, Glen Ridge Ave., $58,510 each. Noted Aug 21.

★**Sask., Saskatoon**—School—Bd. Educ. let contract building 3 story, concrete and steel, concrete foundation, to A. W. Cassidy, 1st St. About $90,000.

Federal Government Work

PROPOSED WORK

Md., Annapolis—Waterproofing—Spec. 4036—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans to waterproof Terrace Roof and Bancroft Hall. About $60,000.

Ga., Douglas—Post Office—Treas. Dept., Wash., D. C., received no bids Sept. 10, building post office, here. J. A. Wetmore, superv. archt. Noted July 31.

O., Cincinnati—Lock and Abutment—U. S. Engr. Office, 1st Dist., Cincinnati, rejected bid received Aug. 1, building lock and abutment for Dam No. 24, Ohio River, near Chilo. Noted July 10.

BIDS DESIRED

Mass., Hingham—Dredging—Spec. 4031—Until Oct. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., dredging at Naval Ammunition Depot, here. About $30,000; $10 deposit required for plans and spec. Noted Sept. 11.

Conn., New London—Dredging—Until Sept. 25, by U. S. Engr. Office, New London, dredging in Bridgeport Harbor.

N. Y., New York—Dredging—Until Oct. 6, by U. S. Engr Office, 39 Whitehall St., dredging and removing rocks in East River; advertised in this issue.

Pa., Phila.—Repairing Dyke—Until Oct. 15, by U. S. Engr. Office, repairing dyke at Bulkhead Bar in Delaware River; advertised in this issue.

Pa., Phila.—Sprinkler System—Until Sept. 30, by Officer in Charge of Constr., Frankford Arsenal, installing sprinkler system in Small Arms Ammunition Storehouse; advertised in this issue.

Md., Baltimore—Rip Rap—Until Sept. 22, by Lighthouse Supt., Baltimore, furnishing and placing rip rap around Wade Point Light Sta., N. C.

S. C., Charleston—Electric Lighting, Water Supply and Fire Protection Systems—Spec. 3977 A—Until Oct. 1, by Bureau Yards & Docks, Navy Dept., Wash., D. C., installing, here. About $30,000; $10 deposit required for plans and spec.

Ala., Florence—Derricks—Until Oct. 15, by U. S. Engr. Office, furnishing and erecting 3 steel traveling tower derricks; advertised in this issue.

N. D., Bismarck—Quarters and Mess Hall—Until Oct. 15, by Dept. Interior, Office of Indian Affairs, Wash., D. C., building brick employees' quarters and brick mess hall, here. C. Sells, comr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Mass., Boston**—Wharf—U. S. Engr. Office, Boston, let contract building pile wharf at Hog Island, to Lawler Bros., Charlestown, $22,815. Noted July 31.

R. I., Newport—Structural Steel—Spec. 4023—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 10, furnishing structural steel for Emergency Torpedo Repair Shop, here, from Amer. Bridge Co., Wilkins Bldg., Wash., D. C., $12,850 (90 days); J. Eichleay, Jr. Co., South 20th and Horton Sts., Pittsburgh, Pa., $12,610 (120 days); J. E. Ogden, 147 Cedar St., New York City, $18,634 (90 days). Noted Sept. 4.

Federal Government (Continued)

Conn., New Haven—Pumps—Superv. Archt., Treas. Dept., Wash., D.C., received bids Sept. 12, installing motor driven triplex pumps in Post Office, here, from J. R. Proctor, 74 Courtlandt St., New York City, $1465; J. D. Kelly, 93 Meadow St., $1861; E. S. Downs Co., 756 Broad St., $2414. Noted Aug. 21.

★**Md., Aberdeen**—Road Work—J. D. Moon, constr. officer, Aberdeen Proving Ground, let contract building 5 mi. concrete roads, 16 and 20 ft. wide, in Aberdeen Reservation, to Claiborne, Johnston & Co., 910 Garrett Bldg., Baltimore. Noted Aug. 21.

D. C., Wash. — Damp-Proofing — Treas. Dept. received bid Sept. 9, damp-proofing Northwest Storeroom in Sub-Basement of new Treasury Annex, from W. B. Avery, 632 G St., N. W., $2369 (90 days). Noted Sept. 4.

S. C., Charleston—Mechanical Stokers—Spec. 4010—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids Sept. 10, installing in Power Plant, here, (1) work complete, from Westinghouse Electric & Mfg. Co., Hibbs Bldg., Wash., (1) $10,391 (time as specified); Sanford Riley Stoker Co., 25 Foster St., Worcester, Mass., (1) $14,520 (75 days); Amer. Engr. Co., Aramingo and Cumberland Sts., Phila., (1) $15,450; (2) $15,755 (75 days). Noted Aug. 28.

Fla., Pensacola—Removal of Pier—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids removing seaplane pier No. 186, (1) work complete, from Southern Constr. Co., Brent Bldg., (1) $5366, (2) $4995 (27 days); C. H. Turner, Pensacola, (1) $5793, (2) $4993, (45 days). Noted Aug. 14.

★**Miss., Vicksburg**—Levee Work—U. S. Engr. Office, 3rd Dist., Vicksburg, let contract building levee work, here, to Roach, Stansell Lawrence Bros., North Memphis Savings Bank Bldg., Memphis, Tenn., $67,500. Noted July 24.

Montana—Road Work—Bureau Pub. Rds., U. S. Dept. of Agriculture, Missoula, received bids Aug. 30, grading 3.6 mi. Glacier Park National Forest Rd., 12 ft. wide, from L. Callison, Cut Bank, $16,998; White, Brown & Leahy, Great Falls, $20,452; Rich & Markhus, Prosser, Wash., $20,799. Noted Aug. 21.

Wash., Newport — Road Work — Bureau Pub. Rds., Missoula, Mont., received bids Aug. 30, grading 11.91 mi. Mataline National Forest Rd., 12 ft. wide, Pend O'Reille Co., from Rich & Markhus, Prosser, $76,111; A. Clifton, Applegate & Toole, Hutton Bldg., Spokane, $88,169. Noted Aug. 14.

Miscellaneous

PROPOSED WORK

Coal Bunkers—Waterbury, Conn.—Waterbury Clock Co., 31 Cherry Ave., soon receives bids building brick and concrete coal bunker. About $10,000. Private plans.

Garbage Incinerating Plant—Paterson, N. J.—City plans to build addition or build new garbage incinerating plant. H. J. Harder, city engr.

Park—Trenton, N. J.—City plans to lay out park on Commercial Ave., along Delaware River, 18 ft. wide various lengths. J. W. Thompson, Broad St. Bank Bldg., engr.

Coal Breaker—Carbondale, Pa.—Murrin Coal Co., Fallbrook St., having sketches prepared by G. A. Westcott 119 Wyoming Ave., Scranton, for 500 ton capacity coal breaker, 85 ft. high. About $35,000.

Swimming Pool—Phila., Pa.—Nicetown Boys' Club, Clarissa St. and Hunting Park, plans to build 30 x 100 ft. About $50,000. Archt. not selected.

River Front Improvement—Shreveport, La.—City plans to improve river front preparatory to installing river rail terminals. Plans have been prepared for revetment by use of mattress and bank paving of about 3000 lin.ft. of river front and pumping about 500,000 yd. river sand behind revetment for land reclamation; revetment of at least 1000 ft. river front requiring 60,000 sq.ft. mattress work and 60,000 sq. ft. riprap bank paving will probably be done in fall. C. E. Smith & Co., 2071-2074 Ry Exch. Bldg., St. Louis, Mo., engrs.

Cast Iron Pipe — Detroit, Mich. — City soon lets contract furnishing f.o.b. Detroit, 1500 tons 24 in., 500 tons 16 in., 1500 tons 6 in. and 1500 tons 8 in. c.i. water pipe, also special castings for c.i. pipe, tapping sleeves and gates. T. H. Leisen, 232 Jefferson Ave., engr.

Gate Valves—Detroit, Mich.—J. A. Martin, comr. purchases and supplies, Municipal Courts Bldg., soon lets contract furnishing three hundred 6 in., two hundred fifty 8 in., twenty-five 10 in., one hundred 12 in., thirty 16 in., twenty 24 in., five 30 in., five 36 in., five 42 in. and four 48 in. gate valves for Bd. Water Comrs. G. H. Ferbell, 232 Jefferson Ave., engr.

Railway Tracks, etc.—St. Louis, Mo.—See "Industrial Works."

Pavement—Belton, Tex.—City soon lets contract for 22,500 sq.yd. pavement. Alternate bids on bitulithic asphaltic concrete, Topeka top, 1 and 2 course concrete. H. R. Smith, Belton, engr.

Park—Billings, Mont.—City election Sept. 30, to vote on $75,000 bonds to improve park. E. M. Sneckenberger, city engr.

BIDS DESIRED

Miscellaneous Supplies—New York, N. Y.—M. Housle, engr., 3307 3rd Ave., is in the market for heaters, mixers, tanks, conveyors, motors, boilers, cranes, elevators dust collectors and derricks, to be installed in asphalt plant. Owner's name withheld.

Garbage Incinerator, etc.—Monessen, Pa.—Until Sept. 24 by J. E. Pittman, boro. secy., constructing brick building, chimney foundations, concrete foundations, coal house, concrete culvert and wooden trestle for garbage incinerating plant. Chester & Fleming, Union Bank Bldg., Pittsburgh, engrs.

Pumping Equipment—Los Angeles, Cal.—Until Oct. 6, by H. B. Ferris, secy. Bd. Pub. Wks., furnishing pumping equipment for Manchester Ave. sewage pumping plant. A. C. Hansen, city engr.

Lock, Dam, etc.—Bobcaygeon, Ont.—Until Sept. 29, by Dept. Rys. & Canals, Ottawa, building lock rein.-con. dam, swing bridge, rein.-con. drydock, wheel pit, tail race, long wing wall, slopes and macadam roads, in connection with Trent Canal here. About $350,000. W. A. Bowden, care of Dept. Rys. & Canals, engr.

Wharf—Quebec—Until Oct. 2, by Dept. Pub. Wks., Ottawa, Ont., building extension to wharf at Notre Dame des Sept Douleurs, 30 x 80 ft. About $11,000. E. Lafleur, care of Dept. Pub. Wks., engr.

Wharf—St. Laurent de Orleon, Que.—Until Oct. 2, by Dept. Pub. Wks., Ottawa, Ont., repairing wharf here, timber with stone fill, concrete roadway, 180 ft. long, 36 ft. wide and 60 x 70 ft. Work involves 170 cu. yd. concrete. About $15,000. E. Lafleur, care of Dept. Pub. Wks., engr.

PRICES AND CONTRACTS AWARDED

(★Indicates award of contract)

★**Foundations, etc.—Bridgeport, Conn.**—Fletcher-Thompson, Inc., engrs., 1089 Broad St., let foundation and excavation contracts for proposed 7 story, 100 x 150 ft., cold storage plant and 1 story, 65 x 100 ft. and 60 x 65 ft. warehouse, brick and rein.-con., rein.-con. flooring, concrete foundation, for Peoples Ice & Cold Storage Co., 1335 Seaview Ave., to T. J. Pardy Constr. Co., 1487 Seaview Ave. About $25,000. Noted Sept. 11, under "Buildings."

★**Retaining Wall—Thompsonville, Conn.**—Bigelow-Hartford Carpet Co., 58 Main St. let contract building 700 ft. concrete and stone retaining wall along power house and Connecticut River, to D. O'Connell Son, 480 Hampden St., Holyoke, Mass. About $40,000.

★**Drilling — Harrisburg, Pa.** — State Bd. Control let contract drilling foundation of new capitol building, to Acker Drilling Co., Mears Bldg., Scranton. About $12,000.

Superstructure, etc.—Phila., Pa.—Dept. City Transit received bids for completion of steel superstructure and appurtenance work of Frankford Elevated Ry., in Front St. near Arch St., Contr. No. 509, including (a) whole work as shown on plans, (b) 100,000 lb. riveted steel girders, (c) 1000 lb. rolled steel beams, (d) 10,000 lb. steel columns, (e) 100 lb. steel reinforcing rods, (f) 1000 lb. iron castings, from McClintock Marsall Co., Morris Bldg., (a) $21,535, (b) $.069, (c) $.053, (d) $.0715, (e) $.056, (f) $.105; Phoenix Bridge Co., Phoenixville, (a) $31,626, (b) $.0674, (c) $.0574, (d) $.07, (e) $.06, (f) $.085.

★**Reconstruction of Flooring—Pittsburgh, Pa.**—Dept. Pub. Wks. let contract reconstructing wood roadway flooring of Wilmont St. Bridge over Cunliffe Hollow, to J. T. Barr, Walsh Bldg., $11,977. Noted Sept. 11 under "Bridges."

★**Pier — Baltimore, Md.** — Weyerhauser Timber Co., 1015 Lexington Bldg., let contract building one 40 x 680 ft., wood pile and timber pier on water front near Curtis Bay, to Empire Eng. Co., Inc., 103 Bourse Bldg. Cost between $25,000 and $30,000. Noted Aug. 14.

★**Water Pipe—Dayton, O.**—City let contract furnishing 233 tons c.i. water pipe, to Moraine Development Co., Moraine City, $11,020.

★**Roof and Trusses—Detroit, Mich.**—City Water Comn., 232 Jefferson Ave., let contract building, 67 x 307 ft., roof with 76 ft. steel roof trusses over engine room in pumping station, to Wisconsin Bridge & Iron Co., 1362 Penobscot Bldg. About $62,000. Noted Aug. 21.

Charging Platform, etc.—Ypsilanti, Mich.—Central Specialty Co. let contract for steel work, 40 x 50 ft., concrete and steel charging platform, and 5 ton yard crane with runway, 45 ft. span 100 ft. length, to Amer. Bridge Co., Beecher and Michigan Central Ry., Detroit; electric mono rail equipment, to Sprague Electric Co., 40 Larned St., Detroit. Platform and footings to be built by owner.

★**Steel-Barton, Wis.**—Stevens Mfg. Co. let contract furnishing reinforcing steel, structural steel and Class "A" concrete for proposed factory, to P. J. Kalman Co., 425 East Water Street., Milwaukee. About $11,900. Noted Aug. 21 under "Industrial Works."

★**Foundation—St. Louis, Mo.**—United Drug Bldg. Co., 3rd Natl. Bank, let contract building concrete foundation for 8 story, 60 x 235 ft. factory, at 3908-45 Kingshighway, to Westlake Constr. Co., 717 Locust St. About $40,000.

★**Stages—Los Angeles, Ca.**—See "Buildings."

TRACK WORK—PHILADELPHIA, PA.

Bids were received by Department of City Transit, 1211 Chestnut St., for track work for Frankford Elevated Ry., from (A) Snare & Triest, Penn. Bldg.; (B) A. & J. B. McHugh, 892 North Markoe St.; (C) North Amer. Ry. Contg. Co., 1020 Monadnock Bldg., Chicago. The unit bids were as follows:

	A	B	C
20,400 lin.ft. unballasted track straight or curved to radius of 500 ft. or over	$7.30	$9.10	$8.72
36,900 lin.ft. ballasted track, straight or curved to radius of 500 ft. or over	4.90	4.95	5.55
16,000 tons ballast (per ton of 2000 lb.)	4.40	5.50	5.19
Crossovers No. 8 in place complete (lump sum)	5,200.00	5,000.00	6,499.00
Reinforced-concrete floor and curve between bents 228 and 238 (lump sum)	18,000.00	22,000.00	20,829.00
Track between bents 503 and 512, except ballast (lump sum)	8,300.00	7,500.00	10,392.00
Track between bents 526 and 532, except ballast (lump sum)	5,000.00	5,000.00	5,964.00
Filling all bolt cup recesses in footwalk slabs over fastening bolts (lump sum)	2,000.00	2,000.00	1,113.00
500 ft. single track 90 lb. rail with all appurtenances	1.30	1.55	2.00
100 tie blocks for 2 ft. 10 in. creosoted tie blocks	1.50	1.98	2.21
8 in. creosoted ties for ballasted track	3.20	3.90	5.86
For cast iron rail braces, per lb.	.20	.10	.10
For 1:2:4 concrete per cu.yd.	25.00	25.00	15.00
For steel imbedded in concrete, per lb.	.05	.08	.10
For substituting continuous T rail joints 24 in. long	1.90	2.25	2.79
For substituting continuous T rail joints 38 in. long	5.00	4.00	5.60
For bumping posts	450.00	250.00	350.00
For force account labor and material	10%	10%	10%
Extended totals	$462,010	$521,828	$539,339